



116

SEQUENCE LISTING

<110> Morris, David
Engelhard, Eric

<120> NOVEL COMPOSITIONS AND METHODS FOR
CANCER

<130> 529452000128

<140> US 10/034,650

<141> 2001-12-20

<150> US 09/747,377

<151> 2000-12-22

<150> US 09/798,586

<151> 2001-03-02

<160> 61

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 31632

<212> DNA

<213> Mus musculus

<400> 1

```
tctaactg aagtgggtgg aacatcctta gcaataggaa gtctaaatac ttagccatac 60
aaggcctcct tctgaaaatc attttaagat tatttctaag acgtatttta tgtgaatggt 120
ttgcctgtgt gtatgtatgt atgtatgtgc accacgtgca tgcttgggtgc ctgcagaggt 180
cagaagaggg tgttggtatcc cttggaactg gagttgtgga tgagtgtgaa ttaccatagg 240
gggtgctggga gccacagctt ctgctggacc aacaagtgtc cttaccatt gagccatctc 300
cagactctga aaaaaccttc tgtctggtct cgtaatccat ttctccagtt tccagacttc 360
acctgttctt ttacctgctt atatatgcca gcctcgtgcc ccatgagtgt ggggacaagg 420
ccacagaggg agacagctaa gtgtttgctc tccgcagcag catcgattcg catcctcttc 480
tgttctctca gcgcacctca ggccagagcc tccagccggg aggctgaact tggaccttct 540
ccgcctcggg gttcctttac cccacccac tgcattgtggc tcttgagaa agccggttat 600
agggtagcga ccgcagaggg ccgggcgctg caggcgcacc ccagcctggg cccaagcgc 660
caggcccggg gctcgccttc gcgctgcaac cctaattgtc tcacccccga ccgcattcca 720
cagttcttca taccgcctcg gctccgggac ccaagaggcg ccgagggcag ggtggaccgc 780
aacccgggcg gccggaacct cccgggtggcc tgcctcgtgc cgcacctggc gggccgcgag 840
ggctgggcct tcctgcccga gagcccgcac acgcgtcgcc gcgagtcctt gttccacggg 900
ccgcgcggcc tggctgcagg cctggccccg gcgcagtcac ggctgcacgt ctcggccccc 960
gacctccgcc tctgccgggc ccagacagc gacacggcct cgtcgccgga ctctcgcgcc 1020
tgcggtctcc cgcacacgcc caggccgcag tcctgtctcc ccgacgaggc cagctcggcg 1080
gacactagtc cgtacgcgcc gcgcgctgcg ccaccgctct tccacctgga ctctctctgc 1140
tgccaactgc ggccgaccaa ggacagcgtg ctgcgcctgg ggccccgcgg cgggcagctg 1200
cgctgtcca ccgagtacca ggccggggccc gggcggtgga ggctgcgcct ggtgagcgcc 1260
gaggggctgc ctccggccgcg gaccgcgcc cgggagcggt ggccggcggt gctgcgtgat 1320
```

tctgcggtg	cagccgcgt	gttaggcctg	gagctcagct	ggagccgggt	ggccagggc	1380
agctgcaacc	ctatcttcaa	cgaagacttc	ttcttcgagg	ggctgcgcc	gccgatctg	1440
gccgtccgca	gtctgagggc	caaagtgtg	gacagggcg	cggggctgcg	cagggacgtg	1500
ctgctggggg	aatgtgagac	gcccctcatc	gccctgtgc	ccccactggc	tggaggtcta	1560
ggccctgggt	cctccctggc	acctactcat	ctcagcctgt	agactgatag	acaccacagc	1620
tttcttggga	ggtttccact	gggtctgcag	acttcctcct	tgccacctgc	ccggcatgta	1680
tttatTTTTg	ttaataaaac	atcagtttgt	ctctagctgc	atgctttcca	gtgggcacca	1740
aaaactctag	gctttgcagc	aagtcttttc	caccagccc	ttccttaagc	agtgtttgag	1800
acccggaatc	cctggaagtg	cttggttaaac	atggagagcc	tagagtccat	ccccaagcga	1860
gtctgcttca	agagtcctag	attgagttgg	ctctaggtgc	ctgtcttagc	tttatTTccg	1920
ttgttgtgat	aaactatctc	cccatcacac	acacacacac	acacacacac	acacacacac	1980
acacacacac	aaaagcagct	tttatggaga	aagggttcat	ttggcttaca	attctagatg	2040
atagtacacc	attgtggaga	agttattgcc	aggacttgaa	gcagctagtc	acttccacag	2100
tgaggagcag	ggagagagac	aatacaagct	ggagagctgg	ttcagtgggt	aaatgcaaag	2160
gactcaagtt	cagttcccag	caccacatc	aggcagctca	taactgccta	tcaaactaca	2220
gttacagggg	atctaattgcc	ctcttgtggc	ttataaagg	caggtgggtg	ggtacgtgca	2280
tatgagcgtg	cgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtaat	gccagggggg	2340
agtggcacat	gcctttaatc	tcagcactct	agatgcagag	gcaagcagag	gcaggtggat	2400
ctctgtgagt	tcaaggacag	tctggtctaa	agagtgaagt	aggataacca	aggcaacaga	2460
aagaaaacttt	atctggggct	ggagagatgg	ttcagagggt	aagagcactg	gctgctgctc	2520
ttcctgagtt	caattcccag	caaccacatg	gtggctcata	accatctata	atgagatctg	2580
atcccccttct	ggcatgcagg	cacacatgta	agcagaatgc	tgtatacaca	ataagtaaat	2640
gtgttttttta	aaaagaagag	aaaaaaaaac	gttgtctgga	aaaaagaaca	aaataataac	2700
agagcttggt	ggctcatgcc	tctaattctta	gcacctggag	ggcaggggca	ggtagttctc	2760
tgaaaatttg	aagctagttt	gatctacaaa	gcaagttccc	ggccagcaag	gcctgtgtag	2820
tgaaattcta	tctcaaaaaa	caaaacaaaa	aattaaagat	cagagagaga	aatgaacata	2880
atgtgtgcat	gcatgcttct	aatgcttact	tagttcagtt	tctccacagt	ccaggaccca	2940
aagccagggg	aatggaacca	cctacagtgg	gtcagctctc	cacatcaagt	aattgcaatc	3000
aagagaatcc	ccactgaca	taccacacag	ccaacatgat	ctagactttt	ctcttcccaa	3060
gagattctag	actgtgtcaa	gttgacaatt	aaaactaacc	atcacaggtc	cctcgagtct	3120
aacaaaaccc	tgcgctttca	gagagccctt	gagtcctggg	gtcaccccag	caagagcaga	3180
aagccaccct	ctcctaaagg	tccctgtgtc	tgaagagaag	aaactggcct	ttcctacccc	3240
ttagatcaat	atttgtctta	aagacaaatg	aaatttttga	accttaagag	tgagccaggc	3300
gagcacagac	taaacacaca	gtgcccttta	accttctctg	cctccctctg	gctagtccat	3360
acacctgtgc	acctgtgcag	gagcaggaag	aatggctgga	gtcaagaacc	aaagagtaaa	3420
ccaggtatgc	tagcaaacac	atttaatccc	agcactcagc	ggcagagaca	agaagatttc	3480
tgagttcaag	tctacagagc	aagttccaag	acatacagac	acctacagg	ggctgggggg	3540
ccaggggaga	agcacagaat	agtgtctggg	taccataaag	tacttgggat	tatagggact	3600
gggatctggg	acagaggata	ctatcaaggg	agtgaagtgc	gttatcaggg	atgccagaaa	3660
aggctactcc	agccagaaga	tgagggtgaa	agacagtggg	ataaaaagtg	gtcatcttgt	3720
gtttacctcc	tacctgaaag	cccttgacgt	cagcagtgac	cttctctctg	cctcttccct	3780
cctgggaact	tgttctctct	gccagacttc	gaagagggat	agagaaaggc	aggtacacag	3840
caggccctag	accacttctc	ccttctctct	agcctttctc	acttcccatg	gtgccaatgt	3900
tccccgtata	ggacctgctt	cttctttaaca	aaaatctcag	caggggcagc	tacacataca	3960
cacacacaca	cacacacaca	cacacacaca	cacacacaca	agtcacctct	ctcaagctcc	4020
ttctacctcc	actaggttcc	caccaccaat	ccccaggcca	aagaaaacct	gctccagttg	4080
tccaccagat	ggcagcattg	acaaaacaat	cctccgtgct	gacagcaacc	tgatcaatgg	4140
gtaggatgga	cagcttcaaa	cattagttcc	tctgggcaac	tgcctctaag	gtgagtgtac	4200
agttgttatt	caacatgacc	ctcgccctta	gacagataat	aaagaagaaa	actaggtgac	4260
atgactcaag	gtacttgtca	cgaagtctga	cagtcttgag	tttaattcta	gagatccact	4320
tggtggaagg	agaccaatac	acacatataa	tgttaattct	aaaatctgta	ttaaaagcct	4380
gaagggtttc	tttttcccg	gataatagct	cttcagtcac	ttcacaacct	ggcacttcgc	4440

acttaaacct	gtgaactctg	agaagtccgc	ccactcccca	agctctatct	gtgctgtgct	4500
gtgctgtgct	ctgtgtgtac	atcgccctc	aagttcttct	ataacaatcc	ctagttagca	4560
atgcaacttg	gaagtatctg	gaaggatgtc	tataggtagc	tttgcccgcc	ttcatcagtt	4620
cctccagcaa	tgggtgggtgc	tataggatgc	caggcactgg	ggccagcagg	cttgaaaaca	4680
aacgcaggaa	tcaagttagt	cagaaaaatga	acaaatatca	gtaaagaact	agctggcgat	4740
gggcccgtaga	gaaaagtata	gtaagaaaagg	ggagggaggc	aaaattacag	gaatggaaaa	4800
gagagggagg	gcctgaaata	cttttttagc	tgccatgtgt	actttgtacc	aggccttgca	4860
ctttaccgcg	tgtcttatct	caccaccact	gggtaaagta	ggcattacca	gttcacaaag	4920
gcagaaagag	atccgagagg	ttaaataaac	ttgcctgagg	attggccttg	gctgtgagga	4980
aggcttctaa	cagcgactct	ataccaacat	cctctgccac	aaccagccc	aggaatttgg	5040
ggagtctatg	agatagaaaa	cacctcccc	ccaaaaaat	gttctgtcac	attcccagcc	5100
cccggggctc	agacaggtac	accgagtcce	ccagtctcag	atacatacca	tgggagcaaa	5160
tgaagcctaa	gaacccatcc	tgtgtgcaag	gagctgagge	ctctaagtag	cgccattagc	5220
acagtactgc	caccaacgca	ggtcagcacc	atggttctcc	ccctttttag	ctgtgacagg	5280
attcagggcg	catgggtgac	acccagcaaa	ccacactgtt	aaagtcttcc	ttgtccccc	5340
aaccagacct	cccaattttg	ttcctcgtaa	ttgtttttga	ggcatactct	aatgtagccc	5400
aggctagcct	caaactccct	acccagctga	ggatggcagt	gaactcctcc	tgtcttcca	5460
gcctctacct	tccaaggcta	gacatacagt	aaagccctgc	caccgtgtca	cgttatgagg	5520
tgtcttaggt	tgaatctcgg	gctccatctc	cagccctcca	ctcctgattt	ttcaatcctc	5580
ccacctccag	tcccacctca	gtgttaattg	ggaaatgaga	gctataagca	gttccagggt	5640
agggctaaag	tccatctttc	ccgctactcc	tccatactgg	ggctctacat	aggtaccaac	5700
ggggatgcag	aaaccacgga	tgtgccaaag	agcttgcaat	gtcttttttt	tttttaatgg	5760
ccaagatttc	atccactccc	caagtcattc	tggggagttg	aagtctccgt	aagcctgaag	5820
ctcaaagaaa	ggtagtctct	actgcactgc	agtagagagg	ctccagtga	agatggcgcc	5880
ctctgggcca	agccagcctc	tgcattgtgc	ccaaacccca	gaggtttcc	ttttacctgc	5940
tgccttgggt	cctccctgga	aggacaggac	tgtgctgagc	tttaagtgg	ttctgcgggt	6000
ttaaggggtg	gggaggaagg	gaaagaagag	ttggtgactg	ctcccatctt	ccaagccgcc	6060
gcccgcacca	cccacctcca	ggttgtttgc	ccctgcttt	gagattcctg	ggcctgataa	6120
gaggactggg	cacgtggggg	agagtgatcc	tctgatccct	atcagcctct	tccttgcata	6180
agaatgtatt	tgagtgttgc	aggcccgga	tagtctcaca	agagagagct	atatctgggt	6240
cctttcagca	aaatcttgc	agtgtatgca	atggtgtcag	catttggaag	ctgattatgg	6300
gatggatccc	tgcattatgg	aatcactaga	tgggtccatc	tttcgtcaca	gtcccaaatt	6360
ttgtctctgt	aaactcttct	atgggtgttt	tgtagaagtg	gatgatcaca	gtcagctatt	6420
ggatgggtca	cagggccccc	aatggaggag	ctagagaaat	tacccaagga	gctaaaggg	6480
actgcaaccc	tatagggtga	ataacaatat	gaactaacca	gtacccggga	gctcttgtct	6540
ttagctgcat	atgtatcaaa	agatggccta	gttggccatc	actgcaaaga	gaggccatt	6600
ggacttgcaa	actttatgtg	ccccagtaca	ggggaacgac	agggccaaaa	agggggagtg	6660
ggtgggtagg	ggattggggg	gggtgggtat	gggggacctt	tgggtagaca	ttgaaaatgt	6720
aaacgaggaa	aataccta	aaaaaaaaaa	agaaaaaaa	gaatgtattt	gaggaggaaa	6780
tagccctctg	tctgctttag	aaagcactgt	tcctacagaa	aagagccttg	gttacagcaa	6840
gccaggggtg	gggagctggg	ggtgggggtg	ggggtcaggg	aagaacaccc	agggggcata	6900
atcaccacaa	cctactctga	gctttaccag	ccgggtaaat	cccaagggtc	caactggatga	6960
cagctgtaca	ctcaccctat	ggcactgtgt	ggaggaacaa	atagttgaag	ctgttcgga	7020
agttctctct	gtggggtgga	tctcttgata	gctggaagca	cagagaacct	tctggtggga	7080
gtatcagttc	gaatagggaa	ccccacccct	aatcacccac	ccccccatgc	tggaggcagg	7140
gccccaaagt	gggtaggatg	atgctgttaa	tcccagccct	cagaaggctg	aaggaaactgg	7200
atagccatga	atgttcaagg	ccatcttgga	ctactgagtg	agatcatctt	agcaacacgt	7260
aggaatgaag	gtctogaatg	ctgaaatgaa	agagttagctt	agaagaaaag	caactctcaag	7320
ccaggacccg	gtgcttctct	gagccctcac	atcattcttg	acagtgcacg	gcagtgtctg	7380
ccactgccat	actgtgtggc	atctgaaagc	atccctaggg	gcctccaccc	tgtgctctca	7440
gcttgaggga	gggtctatct	ggaaggtctt	aagaccata	atcaccacga	gaaaaggacc	7500
tggtcagcga	tgcaggtctg	taacccacag	acacccaaag	caatgttctg	agttggagggt	7560

caccctagga	aaatgagagg	aggggcgggg	ttcagcagtt	aagagcacag	gctgctcttc	7620
cagaagaacc	caggttcaat	tcccagcatc	cacacagtgg	ctcacagtca	tgtatgactc	7680
cagttccagg	gcacctgata	tctttttctt	tcttgcatag	tgaaccaaac	acacaaatgg	7740
tgcacaaata	aacatgcagg	caaaacaccc	atactattaa	aaaaagataa	gtgaaaagaa	7800
gaaagaagaa	caataactaa	gggagatgaa	agcgagctgg	taaggcacag	aaaactgagc	7860
agtgatgggc	agataggagc	acagaagagc	aggaggggat	agctctggga	tagaggcagg	7920
ccattaaggt	ccccatcctt	tgagtgcctt	aacctttcca	gaagcctctt	tctgactctg	7980
ttcctaggtg	ggggtgccat	cactttgcct	cttttcaaag	ctctccagat	tggcattgtg	8040
ttttgagaag	aacagtatac	atgggcctgt	ttaccaccaa	agaccgtgaa	gtcagagatg	8100
acctagtcat	tggagtactg	ccacaaacac	actgggggtca	agggtttttg	ggggtttttt	8160
ggtttttttg	tttttgTTTT	ttaagattta	tttattttat	gtatatgagc	acactatcac	8220
tctcttcaga	cacaccagaa	gagggcatca	gatcccatca	cagatgggtg	tgagccacca	8280
tgtggttgct	gggaattgaa	ctcaggacct	ctggaagagc	agtcagtgcct	cttaaccact	8340
gagccatctc	tcctacccaa	gggtcaaggt	ttaatccccc	agaaccacac	tcacaaaatg	8400
ggtacagtgg	tagataggta	ggtagggtact	tgtagtctca	acaatggggg	cgtagaaaac	8460
ctagaaatca	cttgccaatc	tggctaacca	agatggcgag	ttctccgttc	catggggagac	8520
cctgtctcaa	aaaaacaaaa	caaaacaaaa	caaaaaggta	aaaggtaatt	gaggcgagaca	8580
tcaaatttta	atctctatcc	tccacagaca	tgcacactca	cacgtgtaca	cacaccacac	8640
tatacagaca	cacacatata	tgtatacata	taaaggactt	aggactagtc	aaagcctcaa	8700
aggccctcaa	aagtcaccct	acacccttac	acttttcagt	ctccctgggg	ctaagaacgg	8760
ctattcctcc	taatctttgt	ctctgactct	taggagactc	agctccctag	agcactgggt	8820
gctactgggt	gcacagtgtg	aagctccacg	gagggccaac	ggtggagaat	ggaatgctgg	8880
gagcgaaggg	acagctgcct	gccctctcca	cgctagggtg	cacgtgcacc	aggtggaggg	8940
agtgggcgag	tcacgaggcc	ctggcgtggc	cggtccctgc	cctgctgttt	accagctgga	9000
gaaagcagga	ggaggggttg	ggagcctcct	gctcccagcc	tggcccctag	ccagcggttg	9060
ttgggtaagc	aggaaagcca	ggcacagcta	atcaaaactct	gggcaaagga	catgccgaac	9120
tgaggcatcc	aatattcaca	gaagtcttgg	ctcttggccc	ttctcagact	ccagtgcagg	9180
cctttatgtg	aacagaatta	cggggctcgt	ggggaggggg	aaggggagaa	cgggaggagg	9240
ggggaggatt	ccctcctctc	aacttgttgg	cccagtgcag	ttgctctctt	ttgctctccc	9300
tccaacaccc	ctcacctctc	aatttgcctt	tctcctccca	cacctccccc	caccacacca	9360
gaagtatggg	aagcatctag	aagcctggaa	aatccagagg	tgggcagcat	ggagttagag	9420
agaggcaaag	caagacatgt	gctgggggaa	cccaagctgc	aggggaagtat	atctgatccc	9480
atcctggaga	tcagagtgcg	cacacacaca	cacacacaca	cacacacaca	ggctgtcttt	9540
tctcttcaat	cttcttgcct	ccctttcttg	ctattctgtc	acctgtctca	aaaaagttac	9600
agagaccagg	ttcaaattct	aactcaatca	cgaattgccc	ttgtgaattc	ctggcaagtc	9660
ttttctatcc	tgggcagcaa	ttggttcatg	attatgaata	atcactcgtg	cctgtagggg	9720
gttatcatgt	gggattccaa	aaaacaaaaa	aaaaaattct	gatttaacct	caaggcctgg	9780
caaaaactca	gcatacagta	ggttaattaaa	aaatactagc	tccctttcac	ctgtttttcc	9840
tcaagactcc	agacactggt	ccactgctgt	ctccctgagt	ccctcctgtt	gccaggacac	9900
tctgccagcc	actcctttcc	cctgctgtgt	gacggggccg	gtgtctccct	cctcttccct	9960
cctccctccc	ttgggccctg	ctccctgccc	tcttgggcag	ccaggggcagc	aagggaaggca	10020
ccaagggagc	taccccatgg	acagggccccc	acagagacac	caacggacat	ctcggggtaa	10080
gagaccctaa	agccctgcag	gcaggtggaa	gggaactgtca	gggggctcag	aggaggggag	10140
ggaggcgaag	agactgggaa	ajaaagaaat	ggggagaaga	gaggtgagca	gaggggagat	10200
ggactggcag	acagagcaaa	acgggtgagat	aggacccagt	ctttacataa	ctgtaggggg	10260
gggacaggaa	gagggcctag	ggttaacagca	ggagacctgg	gaagacgggg	agggcaaggaa	10320
ggaagagaca	ggttggagtg	ggggcaggag	ggaggagctg	tgttagggag	gcttgatcca	10380
gaggacggga	atggggctgg	ctcccagggt	tgagcaggcc	cctccctgcc	tgcacagaaa	10440
tcttgggcag	cagcggctgg	aagggtgaat	ctccgccttc	ctattcattc	acaaagtggct	10500
gccgttctgg	cgcaggggct	gggggtgggg	gacctgggag	agaagatgca	gttgacacat	10560
gccagctgct	ctagcccagc	agtcaccaag	tttccctcaa	gctgggtccg	gcacggagtt	10620
ttatctttgc	tgtgtgaggc	acctgtggag	cacagaaaag	aactggggaa	cagtcccccg	10680

atggagtgag	gagggagccc	ttcagaacag	gacatcccct	ccctcccctcc	catgcttgtc	10740
agctgggaac	ctagagagag	tgaacgacag	aagtgccagc	ttctagggcc	actagagaaa	10800
ggctccgggg	tgggagtggg	agtgggggccc	aacaagggga	gtgtcccat	gcaagactgc	10860
tctgaattgc	aaagttaggag	gctggacaag	ggtgccacgt	cagggaggaa	actgagtagg	10920
gccagacagg	attagcaggg	aggtgggcat	ggcatgaagc	cacaccctct	ctgggcagac	10980
cttcccctcc	cccaccggg	gaacaggcta	ccaggcccca	tttactatca	cggcaatgaa	11040
atgcaggaag	cctggctgca	gagtgcattct	cctggcagag	ggacagtga	ggagggacag	11100
gacatgtgtg	ccaggcttgg	acagcagaag	gcaaaaagta	acagaaagga	atcaaagggt	11160
agggacatta	cagacagggc	taatgggctt	tctggaacag	aagactggcc	ctaggcaccc	11220
tggatatagg	aaatgggttg	cggcctcttt	tgccaagggc	tccctctcta	ggtgtttccc	11280
aaatactgac	tgcatgctga	tttcatccca	gatatgtaaa	cagccctgta	actatgcagt	11340
aaccatgact	ctcccctcag	ctgctgctcc	cctggacagc	agagcatctc	tgtaaacctc	11400
cacgaaccat	ggggtgcctc	ctcctgtctg	atctccaccc	agacccatcc	acgagcaaag	11460
cagcaaggca	aagggacctt	ccctctgcag	gcttgtgggc	aggtgaagca	cagtggcggc	11520
cagagagggt	ctatctgcag	ctcggccctc	cttgtcttcc	tcttcgcccc	ccctcccctat	11580
gcactcccag	ccccacacct	ctgcagctcc	ctcttgcctt	caggcacaga	taagcaacca	11640
aaagactgta	ttccctctgg	gtgcagaata	tgtgtgtacg	tcaaatagcac	cagatactag	11700
agggttcttg	ctgttcccca	gagcaacaag	ctgaacaaga	cagacagagg	ctctgtctcc	11760
agacgggctt	acaatataga	agggatgatg	gcatacctag	ggcagttgtc	tgttacgtca	11820
agtgccagga	aacaatgcag	agtgcctggc	gagtaaacc	cagggcaggg	gacagggcct	11880
gggaggctgc	cccagaggaa	aagagagaca	tctgagatct	agctaaatgg	gggagggagg	11940
gtagagtgtg	acatgaggaa	gtcctggagg	cagagaggag	ctgggcactt	tcaggacctg	12000
gaagagggcc	agtgtggcca	aaggggcaag	tgatgggctc	tgccaagggg	cccagcttct	12060
cagaggccag	gtagtgctgg	ggtaaaaaatg	gggcagggca	ggagccagga	actggggaag	12120
tctttggctt	ttcccctaac	atcttcaact	attcactgat	cccttccttc	tctttacaga	12180
gctgctggct	gcaaagaaga	cccacacctg	tgagttaggg	tttgggcca	gaaggtggca	12240
tggggtatgg	caaaagcatt	cagttcagga	ggcatgagtg	aaagaacacc	cgggactgga	12300
cagaattgga	agaatcaggc	taagactgca	aagcccaaga	gataagggcc	aaagggaaag	12360
actttaggcc	aggacaaaa	aaaaaaaaaag	aaaaaaaaaaa	gaagcccaag	gggtgccaaag	12420
ttacaagcat	agaaagaaaa	ggggaactgg	gaaagaggag	ggcagggtgc	tggaacagagg	12480
ctcagctgct	gtgtctgacc	agggaggagg	tgaaggccac	cccagcctca	gaactcagca	12540
gccacaatag	gaggcctggg	agcgtgcccc	gggctttgtg	gtggcagagc	caggtttggg	12600
gttcatctct	gtggttaaca	cattctgagg	tgtgagcaag	cctggagaga	ggctctgcag	12660
agctagagag	caggaaagcc	ttgtctctgt	aagaatgagt	ggacaggaac	ccgaaatcct	12720
cagactgcag	tgtacgagga	agagaccaga	gttcagaaag	ggcttcccaa	tggaactttg	12780
caagtaaaca	tctgtctcag	gccagtgcag	cacccccaat	ccagccacat	agagagaagc	12840
tattccccta	caaaatgtgc	cgcctccacc	aaagtcctcc	ccagggggttc	gtgcataccc	12900
tcagcacctt	gggggcactc	tggaaaagcc	acaagcatgg	tcattaagtt	aatagtgaac	12960
atctcatcag	aggaggtcac	ctctactctt	ccatcacata	ctcattgggt	gcccaccaat	13020
ctgtccccac	tacaaaagcc	atctgtggcc	ttcctgtccc	agcatccctc	ctccctgagc	13080
ttggggctcc	atcctcctgg	gggggtcaga	gctgcttggc	tcagcataat	cctgatcagc	13140
ctcctgtgca	ctagccacag	ggccccacgg	aaacgctgag	cagggcctctg	ggaggaaaagc	13200
gagtcagaat	gacgcaggca	agctggggga	ggggaccagg	gaccacactt	gggggtgtag	13260
agggggactt	ttggagagtg	gaaactggga	gagaccaagc	caagctttta	gacctgcctc	13320
ccatccctta	acccttacca	tgtgtcctcc	tgaggatcca	ggctagttag	cctcatccat	13380
ccaatgtcca	actcccaagc	tgcagagag	agctttttac	taaccagaaa	gattgaagac	13440
ctctcaagga	ggttgagctc	cttgagtttt	tattgtcttg	gccccaaccc	caggccaaga	13500
caataaaaaac	tgcttcccaa	gtgaaataac	ctcaagaaag	gggtccaagc	tgagaaaacc	13560
gggggcacac	ccagaccaag	aggggaccga	atgactaagg	ggccagaaga	ggaacctcca	13620
aggctgagg	acccccacaga	gcagatggaa	aacaaatgaa	tccatcaata	agaaatctca	13680
caccaacaaa	acctgaagag	aaactcaagt	gccaggagac	gggcccagct	gagacacact	13740
cgaatgcaaa	cctgaaccag	agataccctt	ctatcccctc	agtgatctg	aggtcaactct	13800

acctggccat	aagtccttac	tcaaccattc	actactgtgt	gatcttgagc	aggttactta	13860
atctctctgt	gtctcacctt	ccttgtcttt	ggaatggtag	ttatcacata	aagtatttta	13920
tggggattat	gaagtcacac	cagagctgaa	tcattcccaa	caactgaatta	agcactgctg	13980
ctaagaggat	gaagatggta	gtgtcactat	ctgtgtccca	gactagcagt	cttgtttcca	14040
aaggcctttc	tgaaggacca	acccatccta	cagatcctac	agaggggtatt	tgctgatga	14100
tactgccgct	atcgtttcct	cagcccagga	tagcatcatg	tgtaggagga	atttgggtgt	14160
ggtgagggca	gcctcccggg	tgtaccacac	tggttatggc	tggtgacagt	ccacagggtc	14220
tcagtgccac	aagacaccac	ccaagacaga	ttcctgttac	ttacctttgg	aacatcccta	14280
cccctgatgt	cacttgggtga	agagggcctg	gggtactcag	gagaggggat	ttcgagcctg	14340
gcctctgccc	atgagctcca	cgaagctccc	cagctagaac	tcccctggcg	agtggaaaca	14400
gcttttaccg	cggctgtagc	tgtgggtttg	gaattttcca	acgccccctg	tgattggctg	14460
ccccgcccct	cacaccctgc	cccagaccca	gattggccac	gtgggggtgc	tgcatcata	14520
ccaatgcac	ctctgggggt	tggggggctg	tcacttgccc	acctgtgtgg	agcagagctt	14580
aaacccccct	gcccagaaac	actgggggag	agctttgtgc	agatctaagg	gctgaggcac	14640
ccgctgagag	ggcttcaccc	cacctccact	gccagctgtg	tgctgtcctg	ggctacccta	14700
ctgaggagga	cagggagcca	agttctcagt	catgagaagt	aagtgaatgg	gggcatccgg	14760
tcattggggga	gcctgggtcc	tgtcaccatt	cctaggcccg	ctgaatagga	gtgtatcttg	14820
gaaaccgtgc	ctctttggca	gggtgtgtcc	cagtcaaggt	caagatctgc	tgggagatgg	14880
gtggagtccc	aagagagtta	ctcttccctg	gcagcttcc	tggcagcaat	ggtaatcaaa	14940
ttattgagga	gttcttgaca	taagttctga	agttctggga	agactgagca	tgcccaaggg	15000
tccaaccctt	tgattttaca	agagaccaag	acccaagagg	ggagtgcac	actgaagagc	15060
tcaccattag	ggcctgggag	ctggtggagt	ctggtagaca	ttaggaccca	cagcttatat	15120
tccttgttcc	tagtgaagag	tttatctttg	tgcctccaac	tgcaggcaat	gctgtacctt	15180
gaggcaggag	tcacagtaaa	ctgaggtcag	caggcagtg	ggatcagaa	tcacatctc	15240
cctgattccc	taaccttaaa	cacacacacg	cacacactca	taccagggcc	tgatggctca	15300
gtacaatcca	gctagggact	gctctgtgtg	tgctatgtgt	atatttgtgt	gtgtgtttgc	15360
atatgcttca	ggtgcagttg	atcatctata	gcaagaagag	atgggagcag	aaaaccttgg	15420
tctcactcct	ttccctgctt	gaaaccatgg	gccacagct	gctgggcaga	tgtcaggggc	15480
cctttagget	tccagctgag	caatgtgggg	gatccgaccc	tccctgtcca	tgtaagggaa	15540
gccagaggac	ctctcaaagt	ctacagttag	tgaggaaaag	ggaagcctgt	tacctgagg	15600
cctgaggaag	cccagcttt	aacctgggg	ctttccacaa	gccacaaaag	gggaggccat	15660
actgagtcct	ggaaaggccc	atggactgaa	aggctagtga	gcaggttcta	acacagggtc	15720
acctgaggca	agccgctgat	ctctgggtct	cagccacaaa	ataaatgcca	agcatgggag	15780
tctctgagtt	ctaagagccc	aagaccaaag	agacccctc	gtccctaat	gggtgaaaga	15840
gaatagaccc	ctatagtata	caaggtcaag	ttgggattcc	acttgcctgc	atgggacagg	15900
actatagtc	ttggtgagac	aagaggacca	ggagaagaa	caaaagtcc	aaaatggagt	15960
aggagccgtg	gttcttttct	ggcttcttcc	cctccgcagc	aaaagctggc	agatcgattt	16020
cacagaaaca	gcccagggtc	ggccgaagca	gagggcacaa	gcccacatag	tatctgagg	16080
atacacttgg	gtagctctgc	gttttatgca	cacatgcacg	cgcgcgcgcg	caaacacaca	16140
cacacacaa	acatgcatac	acataaatat	atccaaagtt	tctgacccct	ttgaattcca	16200
gttaccacct	acttgggaga	ggtcagagca	gagaggggtt	aggaccatga	cacaccaaag	16260
agtgaggcca	gagaaacaag	gaatagatgg	aatgtaggaa	ataagcgatg	ggtttgagg	16320
tcaaggggga	aggggtccag	atggagcact	accaggagag	ccatagagta	agaagtccag	16380
agacgaagg	cacaggctcat	aaagtacaga	caaggagggt	gggaagggaa	catggcagac	16440
tggagggtgt	ctcaggaaga	aacaaagccc	cttcgacccc	tacctgggcc	agtcaatggt	16500
gtatgacata	gpcatctcac	tgttaggagc	tagtcatgtt	ggaatcagta	gacagggaag	16560
ctaggaatgg	gaggtcacat	gpcagtccct	ttccttgaat	acagccatga	ttatgttgag	16620
caacggggca	caaagagctc	cjagtcccca	gggtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	16680
gtgtgtgtgt	atgtacattc	ggtagctgat	tccttcccta	gcaatgctgg	aaattgaact	16740
catgcccacag	gcctttgtgg	ctagcactct	cacccaccca	gccttctcat	gggcctttta	16800
tttggttttg	tttgtgacaa	aatgtcctag	actggctttg	aactccatat	acagctgaga	16860
gtgaccgtga	attcctgac	tgcctgcctc	tgcctccccc	gtgttaggat	tgtaatatag	16920

agcatcaggc	cctgctccat	cagccttggt	ccttccttgt	atcaatcact	cctgcatctt	16980
tctcttttcc	tttcttccca	ttctaccca	gaatcctgac	tgtcccaggc	tcaagattct	17040
aggatgtgaa	gatcttcaat	ctgttccatc	gcaatgaata	tgtgtcttga	taactgctgt	17100
ccctaccagg	ggctcaccca	cccctccctc	ccctgectct	gttgctgact	caaaccaaca	17160
gggacaggga	ctttcccat	gctgagtgt	ctctaaggaa	gacagcctgg	ggtctcactc	17220
ctgccccgtg	attatttcc	ggggtcta	ctccactcct	gctgcaatga	tgacacggcc	17280
tcttccctga	gactccaagg	ctcaaagagt	ggagtctgt	ttgggagcag	aacagaaaca	17340
ggcagaattt	cagtaccaca	gccaggtctt	cctgagtctg	cgtccctccc	agaggcagag	17400
ccagagctct	ggaggcaggc	aggcaggcga	ggctcccact	cctcagagct	tcttccctct	17460
ggtgattcat	ccccttcccc	catccccggc	ttgttttctt	tgcgttcttt	tatttccctct	17520
ccttttctcca	gtcccagact	gtgggggtgg	tgggggcagc	aagagggggg	ttcgagtggc	17580
tggctggctg	gcttgctttc	ttggctttgc	aaaacctgtc	tctccctcgc	ccacctgagt	17640
tttagagtca	ccagtttttc	agttctgata	tcaggtatgt	cagtagaaaa	ttccatgagg	17700
gcttgccctgg	ttggggacat	gcccagcagg	taaatcagtg	gttccctgtcc	ctgtggtggc	17760
accaccacc	tgggtttcca	gcagaaactg	gaggaactga	gaactaagga	atatgggagg	17820
ctgatgacag	gttgtggcac	ataggggacc	actggctgga	gctgtggtct	cagtgaatag	17880
agaagggggc	taagctgaga	gatgcatttt	ctttctcatc	cagccattca	ctcactgatg	17940
caaagaaagg	ccaacaagg	ggcaacctag	cccatacctt	caaggagctg	tggacttcca	18000
gaggagccct	gggtcaggag	ctctgctggg	gtgcatgggt	catgtgatct	tggctctaga	18060
gaagtagata	aagggtgcat	gggccagcca	ggaccactga	gggaagccag	gcccaggaa	18120
tggatatctgt	ctgtcggttt	atctatctct	ctacctatct	acctatctat	gtatcatcta	18180
tgtctcatct	gtctgtctgt	ctgtctatat	ctttgtacga	ggcatgagtc	ctggtttatt	18240
cctcacctag	cctatcatta	cccttgtttc	acacttgatc	attttgcagc	caatgacctt	18300
gctctatccg	ctctctttta	gtatacttag	gtatctcatc	ctccaagggg	atacagctta	18360
atgattgagg	actctgactc	cagttaccaa	aacctgaatg	taaactcctt	gcttgccctt	18420
tcctggctgt	atagactcgg	tctaactact	ctctaggcct	cagtttttgt	ttttttttaa	18480
tctgtaaaat	ggggacaata	ctaacagacc	ctactttaca	gaattgttct	gatgattaaa	18540
agtatatgta	aagagtccct	aggacaatgg	aatggtagct	caggaccttg	ccttgcaatc	18600
ttggcgactt	gaattcaatc	tccagaaccc	atgagaaggt	aaaaggaaaa	aacagatttc	18660
acagagttgt	cccctgactt	ccacatgtaa	gctgtggcat	ttgtgcccac	atgtatatat	18720
agcatgcaca	catgtagtat	aataattcat	aaattatttt	tttaaaggaa	gctgagtgtg	18780
gtggttccat	aatcccagca	catgggaggc	tgaagcagga	agatcttgca	tttcaggcca	18840
gcctgagtac	gcagtgagac	cctgtttaaa	agaagggctg	ggaggcagtg	gggcagctca	18900
gtggggaaag	gcattgctgt	caagtttgat	aacctgagtg	caatgcccag	gcctcacatg	18960
gaagaaggag	agcaccaatc	ctagaagctg	tcctctgacc	tcacacacatt	caccgtgggtg	19020
tgtggctcat	gtgcaggcat	aattaataag	tgaattaatt	tagccaggcg	gtggtggcgc	19080
acacctttag	tcccagcaact	cgggaggcag	aggcaggcgg	atttctaagt	tcgaggccag	19140
cctggtctac	aaagttagtg	ccaggacagc	cagggttaca	cagagaaaac	ctgtctcaaa	19200
aaaaaaaaaa	aaaatttagt	tgaggctggg	ggaatagctg	tcctttcact	ctgtctccctt	19260
tgtgcccattg	ggctgggtggg	cagtgacccc	tgaggaaaagg	ggagabccac	acatgagacc	19320
ttggattgtg	tcccacagca	cagcacaaaa	cacacacaca	cacactgtaa	agcctggcat	19380
acactaaaaa	ttcaggcagt	gtctacatct	ttgtttatct	ttccttctta	ctcagtatca	19440
gctggaaaagc	aggaaaagag	gaacagaaga	gagccctagc	atgctctctgc	ctaaaccatt	19500
ccttccctga	aactggggct	tctggagtga	gacctctctg	ggctgtagcc	cctctccgtt	19560
ccaaccactt	cctctctgtg	gctaggcacc	tggtcaggac	ccaggggcca	gctctggata	19620
tagttaaaaat	gcactatcaa	tgaattcttg	agctgtgagc	agctgtgagt	tagaggaggt	19680
tgggggcaga	agtggcttgc	ttctaccgta	tttctctctc	ctggaggctc	taaggtgtct	19740
cttgaagagc	gtttcagggc	agaagcaatc	caaaggagag	tcacttttgc	tttccagggc	19800
tgcaacataa	ttatagtttt	tacatcacat	ccgtagggaa	gatgcagaga	taaactcagt	19860
gagctgacct	gtataaggaa	tgggtttggg	aagtgattat	caaacctacc	ttgacatctt	19920
gggaggagca	gcctggcaca	aaagcagcca	gagactaaaa	tgtttttatg	ccaagcatag	19980
tctgaaggca	aagaatcact	gtcctggagt	gcattataag	tgtggacttt	ccgagccctg	20040

ccttgggctg	cttgaacaaa	gatcttcatg	gtgggtggtg	tgttgttgtt	gttgttgttg	20100
ttgttgttgt	tgttgttgtt	ttgttcttat	attttaacaa	gacctccagg	ttctcttttt	20160
ttgaaagaca	aaagactaga	gttgctagct	gggtgcctcc	tgcaccaggc	atttctgctt	20220
ttgtaagaat	aaagatagag	gggttttttt	tttttttttt	ccttctttca	gttttttagag	20280
acagagtttc	tctgtatagc	cctggctgtc	ctggaactca	ctttgtagac	caggctggcc	20340
tcgaactcag	aaatcctcct	gcctctgcct	cccagtgctt	gggattaaag	gtgtatgcca	20400
ccactgcccg	gctggttgct	atttttaaaa	cagggtctca	aactatacgc	caggctggcc	20460
tgaaactcat	ggcaaccac	ctgccccagc	tttctgaatg	ttgagatttc	ccagcttgag	20520
ggttttcttt	gtgataccct	tcaggagaaa	ggcacaatga	gggaacagta	agacacaaaa	20580
atcctaagaa	agaagcagtt	tggctgctgt	gggagccatg	gggcttgggc	tgacctgaag	20640
gctcctgacc	tttgattggc	tccagttcct	ggcaccgttg	ggccctgaga	tggttaagttc	20700
ctggcagact	aggctcccag	gcaacagttt	gagtaatcct	gtgattactc	agcaccctct	20760
ccccaagcgg	ggttcccatc	acctgctggt	cagggtctga	gtcttgaagc	tttgctgtgg	20820
aagatgtttc	tccgctcctc	tcatgctgac	ttccctacca	gcccttcccc	tccttctctc	20880
cccaagtgtc	tgtctctctc	tgactttggt	tgtctgtctc	tgtttgtctc	tatcttccca	20940
ccacacacac	acacacacac	acacacacac	acacacacac	acacacaccc	cactgggtact	21000
ttctttgata	tttaagtgtt	taggggtggat	ggtactgaac	aggggtgaagg	tgtaggggac	21060
ggagaactag	agaaagtcaa	gaagtgttgt	catgtggagg	attgggcaca	ggaccagaac	21120
aagcaggggt	ttcccacgat	ttcagttgtc	tctcctttgc	tataactatt	ttcccccagt	21180
cctgaatctc	tcagtctccc	cgtttcttgt	gcttgtctca	ttgtagacca	ctgctttgga	21240
ttggcaatgg	gaagatagaa	gaggggctac	gctggtagct	agggctccagg	gctcccatag	21300
ccccaaact	cccagttctt	gactggctat	atctcctatg	agatggcagg	gtcttactta	21360
cactgtggta	aggttcctgg	gttaggacca	gcaatgggtc	aggtatgggg	caggaggtat	21420
gactggggtc	atccatgcgg	tcagtgtaca	cacgcacacg	gatgtggctc	ttggagaagg	21480
gaagaggtag	ggaggcctgt	ggttgccctgc	taggccaggg	cctgagttcc	caccgtggct	21540
tggcctaate	tcctaccac	ttgcttttct	gggtgacctt	tgttggtttc	ccctctctctg	21600
gtcttagggc	cactgaagag	tgatatacca	cagagtacag	aggagaaggt	gttgggttagg	21660
agcaaaggct	gtggacccaa	gtgttactgc	caggctgcca	ttcccatgga	tttgctttat	21720
ctcagacagt	aataccctgc	cctgtagtgc	tctgcctctc	cacggtgctc	cctgtactct	21780
cttgaatcat	gccatgtgac	ctacaccaca	ggcaatgttg	ctttcacctg	catttgctgc	21840
caagggaaact	gaggttgaga	gtgactggaa	gtgtgtgtgc	ccccacattt	tccacctctc	21900
ttccaggcac	tcagggtccc	tcctgttctc	tcttccccac	caagcattta	accagcttg	21960
taacttacag	gaagccattg	aacagagcat	ttgatacctg	gtggctggag	cttactgtgc	22020
agttggcagg	tagaaagtat	gtctggagggt	aggacaaaga	actgagtttt	aatggaagga	22080
tttcaggcac	tcatatggcc	aatcccttaa	agagacagct	acttaatctg	accagctct	22140
gggctjgctt	gagaaggtea	tagtttaagg	atgatggaat	actttgggaa	gtgatgggca	22200
aatcatggtc	taaccattcc	atatcagcag	acctatgtgt	ggttatagat	tttggacatc	22260
tcacatagcc	ctggttagcc	ttgaactcat	gatgtagcca	aggacaatat	agaactcttg	22320
attgtcttgc	ttctacctct	taaatgctgg	aattacagag	acgtagcagc	tctcatatga	22380
cagatgctag	gcacaggctg	gacatgagat	cctatgtgag	tttgctctcc	atgaggcaact	22440
tcctctgtcc	ctagggtggg	agacaggtea	cagatgagat	gggactgtta	ctctagatct	22500
ctttcttagc	ctgcttcaac	tctcgactat	ccactcagga	aaatccagaa	gtcagtcagt	22560
gattgggaga	agagccagct	cccccactcc	cacctacccc	ctttcgcccc	ctagtctttg	22620
gacttggtga	tgaaaagatc	tgggggtggct	ggaaccccaa	gctttaccta	gctgctgtcc	22680
cttctccctc	ccagggtccc	aaagaaactgc	agattgaacc	tggggcttca	tgcattgtgc	22740
tttaccacag	agctaagtc	tagctctttt	tcagtttttt	gtttgtttgt	ttgtttgttt	22800
gtttttcaag	acaggctttc	tctgtgtagc	cctggctatc	ctggaaactca	atttgcagac	22860
caggctggcc	acaaactcac	tgagatccat	ctacctctgc	ctctgactg	gtgagataaa	22920
aggtatgtgc	caccactggt	gccttggaact	ttagtgtcca	ggaatcaagc	tctaaccac	22980
aaatgtgtgt	atgtgcaactg	gtatagacaa	tataccgcga	atccacaggc	cacagagacc	23040
aacctacctt	cttttctctc	tccttctctc	cttctctctc	tccttctctc	cttctctctc	23100
tccttctctc	ttcttgagca	gtctgtgcta	gcctggatct	tgatatgtag	atcaggcaag	23160

tcttgaactc	aaagtaatct	acctacctct	gcctggctag	tcctaggatt	aaaggctggc	23220
ctcaaactga	catcatttca	acaagccaca	tatacttttc	ttctgtgcac	acacacacac	23280
acacactcaa	gtatgcctcc	aaacatgtca	agaagataac	agataatgaa	ctgttcaaga	23340
gagtgggggt	gtagacctgg	cactcaaaga	aactagctgt	gtgagcctgt	gctaggtagt	23400
taggtcttca	tctgtgagaa	gaacaggtgg	atggagtgtg	ctttaatctc	agccagtttt	23460
aacagtcgtg	tcctgtgctc	atacacatag	accagatgc	ctttgtacat	cctcttacac	23520
acttacacag	agcattgcct	cgtcttggtt	ctggggctcat	cagtctagaa	atcttatttg	23580
ggctttaaga	caatcagcaa	agttgggttg	agcccttctc	tagatttcat	ctgtttcttt	23640
ctagtctctc	tgtacctgct	gtgttggttc	ccctcagttc	ctgtccctgt	gtagccttca	23700
ctttcctcca	agagtgaacta	acatctctgt	ctagtgtcca	gtggctgtgc	cccatactct	23760
gttctgggag	ccaaacttca	atggggggaa	ggagacaaaa	tagaagcccc	ctgggcgggg	23820
agcaggtgtt	acgaagcagt	aaggcctcct	ctggccctat	acaggatgag	aggagggcac	23880
tgaagatgtt	caacttgaag	gactgagcag	gtggcctctt	tgcagctgct	ctctgtctcc	23940
ataaaaagctg	atacaactcc	cagctgcttt	gtgaacaaaa	cacagcctcc	tcagacccta	24000
tgctgagaat	catttacact	ttacttcccc	ttccataatg	caagagggcg	tggtggagct	24060
cactgaagaa	gtggggggag	caccatacac	ctgcgtctgc	agcccaggct	catggtagtg	24120
aaatccagaa	aaaaacatta	tgggctagct	tctctttctc	tcttccagca	caaattgaag	24180
tgatcccttg	caagatctgt	ggggacaagt	catctgggat	ccactacggg	gttatccact	24240
gtgaggggtg	caaggtgagt	tgtacatatt	tgtctgcata	catgcacttg	gctgtttcag	24300
cggctctccc	agggtcagga	acaggaggga	ggaggaggac	ctaattctga	tgtagggaatg	24360
tgatcacagg	gtccatcaca	attatacagt	ggaggttcgg	ggactttggt	ggatgtagaa	24420
attcttgaga	ccagtgcaca	tgaattggag	gtccctggga	ccacctcaaa	ctccgagagg	24480
gtgggataag	tccagaaaac	ctttaccagc	atcatcttag	tactottgtc	ccttcttctc	24540
ctaattgagtt	ctcttcatte	ttctttctcc	tggcctagtt	cctatccagt	ttccacactg	24600
ttacctcctg	ccttgtttag	ctccatctcc	ctcctgagta	actatcctta	ggcataggat	24660
tgtggcaagg	aacaccgtct	gggttggtct	gagaatgacc	cagaagggtg	gggacgaggt	24720
gtggtgttcc	tcgagccgta	tccacctccc	ttcaccaccc	tcctcaccca	ccgtcttccac	24780
cacaggagga	gccctgggtg	gagtgggggg	catgaggtga	ggaagaccca	gaaggagcct	24840
gtcagcactt	ttcagtgtct	aaaataacaa	agccaaagcg	aaaggaaaca	tgcaggggtg	24900
caaaggggca	ggcggggcga	agggctgtgc	ccccacacct	gggaggggtt	gggggagtga	24960
aaaggcgagg	aagagagagc	agaagaggat	gttcagaagc	aagccaccag	agcctgggtt	25020
gggctgtggt	gagtatctag	gtcaccaggg	agcctgcagg	cctgaacaca	gggaaacctg	25080
tgttcgcagc	ccttctcttc	ctccagccct	cccagacagg	caagctgacc	ccaatacagc	25140
ctgaggcccc	ttactcaacc	cccacctcag	cctagtctct	aggagactcg	actccccggc	25200
ccaagcccat	tgcttgagtt	ctgcactatt	agcatctagt	ctagagctga	aagcattttg	25260
ctggggagat	ggaaatgctg	gtggaaccga	tcttaaagag	agcagagcca	ggcatgaaag	25320
gagcctggag	cctaagctcc	ccaaaagaaa	gtccatagac	agagctgggg	aaatggagca	25380
tggaatcaga	ttcatgtgct	tgttgccctg	tctgtctttg	tcttctctta	cctcctgtac	25440
tgattcctga	accttcttca	gctgtcaagt	ttggccgaat	gtccaagaag	cagagggaca	25500
gtctacatgc	agaagtgcag	aaacaactgc	aacagcagca	gcaacaggaa	caagtggcca	25560
agactcctcc	agctgggagc	cgcggagcag	acacacttac	atacacttta	gggctctcag	25620
atggggagct	accactgggc	gcctcacctg	acctaaccca	ggcctctgct	tgtccccctg	25680
gcctcctgag	agcctcaggc	tctggcccac	catattccaa	taccttgggc	aaaacagagg	25740
tccagggggc	ctcctgcccac	cttgagtata	gtccagaagc	aggcaaaagt	gaaggcagag	25800
acagcatcta	tagcactgac	ggccaactta	ctcttggaag	atgtggactt	cgttttcgagg	25860
aaaccaggca	tcttgaactt	ggggaaccag	aacagggctc	agacagccac	tgcattccca	25920
gtttctgcag	tgccccajag	gtaccatatt	cctctctgac	agacataggt	gagcatctgg	25980
gaaggggtgg	ggcagtgaaa	atgagacaag	aacttctctc	agcacgggtg	ccatgtaata	26040
aagcattagt	cctaaggaat	tagggatcct	ggacaaaaag	ccaagggagg	aggcagagca	26100
agggaggcca	ggcagagggc	ctctttatga	actttggggt	gggaactggc	tgatattctag	26160
ctgtgacttc	atcttctggc	cccagagtac	ctggtacaga	atgtctgcaa	gtccttccga	26220
gagacatgcc	agctgcgact	ggaggacctt	ctacggcagc	gcaccaacct	cttttccagc	26280

gaggaggtga	ccagctacca	gaggaaggtg	agggcaagag	acatgagggg	agggagggga	26340
ccaccacacg	cgggtgcggt	gcgggcgcgc	gcgcgcgcac	acacacacac	acactggttag	26400
agcccagata	tggcgtcttt	cacaggaatg	ggggtagcaa	tagggtagat	caggctggct	26460
aacaggtgtg	actgtctgta	tccaggcagc	aagatgacta	tttctgtagc	tcctgcttat	26520
tgagatttca	cctagttagc	aacctacatc	ctcttccacc	cagaccttgc	cacactgcct	26580
ttcatcctcc	atcagtaact	gatgctaate	agtatctgag	ggtcattttac	tggacaccct	26640
ttcctgtcag	gcattgtaat	agaagctttg	aattgtgttc	aacctgctgt	ttgtgaacta	26700
caagtgtcta	aagatagtga	taaatgtggc	ccaatgcaaa	atcatgagaa	tgtttttggt	26760
tggttgattg	gttggttggt	tggttggttg	gttggttggt	ggttggatgt	tggttggttat	26820
ttggttggtg	ttggttggtg	gttggttggt	ggttggttggt	ttggttggtt	ggttgattgg	26880
ttggttggtta	gtttggctgg	ttccaagaca	aggttttgct	gtgtagccct	ggctgtacct	26940
ggaacttact	tggttagacca	ggctggctgg	acagggctct	tcatagtcta	gcccggccta	27000
tgagtgcctt	aggtctgctg	agtcccaaga	gatgatttgc	ctatctccac	atctcaaatg	27060
ttgagattat	aaacatgtac	tacctgtctt	ggcctctctc	tcctctctct	tctctctctc	27120
tctctctctc	tctctctctc	tctctctctc	tctctctctc	tcctctctct	cttctctctc	27180
cttttctctt	tccttttctt	tcttctctct	tcttgttttt	tttttctctt	tgggtttttg	27240
agacagggtt	tctctgtgta	tccttggtct	tcctgaaact	tactctgtag	accaagctgg	27300
ccttaaactt	agagatctgc	ttgtctctgc	ctcccaaata	ctgagatcaa	agtcttgtgc	27360
caccacatcc	agttttcacc	tggttttctt	tcctgtgggt	ctgggatctg	cattcaggcc	27420
ttcatgcctg	aaggccagca	cgttgttgac	cttcatggta	cttttggtta	atgtgaggtc	27480
agaagctggg	gtagactgat	aaagcagaag	agtagcagaa	ggcagcctgg	aaacgcctgg	27540
aggaagagca	gttaggaagg	ctttcagtgc	cgtatgaaga	gtgaaagcct	cacttctagg	27600
caatgctgta	ctcagagctg	cttagggaat	ttccttctga	cctgtgtgaa	ggatccatct	27660
atgtaaccgt	tcgctcaggc	ccttggttatt	cacagtcate	acaggagtcc	tgagatacac	27720
aaatcacttc	aaacagtctc	tccttgagga	atgtaaactt	taatctacaa	caaaatggat	27780
ttaaagaagg	tctgggaaag	cagttggaat	acaaatgtgg	ttggatccac	tttggtgcct	27840
tttgttctgg	gtttttgagg	cagtttcatg	aagccaaagg	tagccttaaa	ctcatgatcc	27900
tcctgcctcc	agctcctaag	tgctgagatc	acagccatgt	accactttgc	ccggcagaat	27960
ccactttcaa	aatatatcac	gtgtcccatg	atgtgcccc	ccccatcca	gctatcagcc	28020
acaattggac	tattatactc	ctaactcaat	cccaccccat	ctttgtctgc	cacgtcagag	28080
ccacacagca	cttgctcagt	aaccacctgt	gtcattttta	ggagacaaga	caaaacctgc	28140
ctcttttgat	ctccagcctc	ctatttttagc	caaaatccaa	ctccagagtc	catgtttacag	28200
tcaaattggac	cacctgcctt	tcctcctcac	ctgacgttgc	accatccttt	gactccccct	28260
ctctgaccac	agtatttttt	cactggctcc	atctctctgg	ggcctcttat	acctgctatt	28320
gtctcctgtc	atattctctt	ccctgtttcc	aagtattttc	tcaggccctt	cattcaagag	28380
aggttttctt	taaacagtta	ccggactgga	gaaggacccc	atcccttata	ctgttttagt	28440
atcagataca	atcatatgct	gcttactaac	aggaatatgt	totaagaaat	gcttaccat	28500
agcttcacat	ggtggggtag	aactggatat	acttaataca	aacaaacaca	gctgtactgt	28560
cgtccatact	cccttagcct	tatgggacca	ctgaagtttg	aggttcataa	ttcccccga	28620
agttgttagg	cggtagctaa	ctgtgtttat	gactccctgg	ctgtctgtga	catttaataa	28680
aagcacatct	ttttattcac	cgatgtttac	ccagagctca	tgacagtgc	tcattctagat	28740
ttatggagtt	tctcaacaaa	tattttttga	atgaataaaa	gaaactattg	tagtaaccca	28800
ggcaaaactca	aagtactaaa	acacaaaata	aattcaagag	gcttaaggga	ctcactctgc	28860
tacctacttt	tctgattggt	actttttcta	aggaactaag	ctaagaaggg	gagatgtcaa	28920
gaaagagtgg	tttttaagtc	tcagttcatt	atgtgtgaaa	ttggttagga	gagatgggtg	28980
ctgggggtctt	tctccctgct	tctgtccctt	gggttctctg	acctttctta	gaggtttacc	29040
ttcctttggc	tggaggctta	ctatactgac	ctactacctg	ctgagttagg	caccttctta	29100
gaaactgttt	agttaaaaca	agcaggtgat	gaacatgaat	tcagcattca	tgccaggggac	29160
agaagataca	tagtggcaaa	aagacagatg	gacttttatct	aagtacatgt	ggggcaggaa	29220
ggcagacaga	ctggatcctt	ttttctacag	tgtggcaaat	gctacacaaa	gggaagccaa	29280
caggactttt	gcccagcaag	ggatggggat	gatattctca	gaggagataa	cacttgaatt	29340
agcaaaaataa	gagtttagcag	agcctcacc	tcagatgaa	gaaacaacat	gaaccaaggc	29400

aaagggccat	gggagcaaac	acaattcatt	ctggggtagg	cagagccatt	gatgccatca	29460
ttcaagcatg	tccttgctcc	aagcacagtc	ctgaaggtac	agaaatgacc	atcaaaattg	29520
aacctaggaa	aagctcacct	gtctcgtgtc	agttctaact	tagcctgagg	tttccagata	29580
tgcatacatc	taacaaatgg	gattggctgc	tcaagttggg	tcaagggctg	gggaggcatc	29640
aagaagggtc	atcctagctc	agtaacagtg	agatgtgttt	gctctgctaa	gcaccgaagt	29700
actcattccc	tcctaacctc	tcctcagctg	ccacccaaag	gaaaactccg	gagcctgtgc	29760
agccaacatg	tggaaaagct	gcagatcttc	cagcacctcc	accccatcgt	ggtccaagcc	29820
gccttccctc	cactctataa	ggaactcttc	agcactgatg	ttgaatcccc	tgaggggctg	29880
tcaaagtgat	ctggaggaag	gacaacctga	ggttttaatt	catacaggac	accagaattc	29940
atcccagctc	cagctgtcct	ctgtccctaa	gagaagcaga	ggaccggata	ctaaccagcc	30000
ggaaaaccca	aggaccagca	cccggaaga	tgcccttgac	ttcagtcttt	acgctatgag	30060
gaaggaaggc	agcgccatcc	cctgctctgt	acctgtgtgc	tgctgactcc	acatgatgga	30120
gagactagga	acaggacagg	gacctgtttc	tcctccatag	tcttgctcag	aatttctctc	30180
agttttgtaa	agctgcagac	tctcctagga	ggtataagca	gcagatgaga	gggagggagg	30240
tttttttttt	tttttttttt	ttttttctct	cagagggaagg	gtttagccaa	gtaaacataa	30300
atcccaactt	gtgccattct	ttataaaaacg	atttcaaagg	ctggaagtgt	atcgtgcctg	30360
cgtgcttgta	caaggggtgca	gggcacacat	gtcgggtgtt	gggagacttg	aatgtgactg	30420
cctaggatac	atgcttgccc	tgcagttttg	tttctgtgtc	aagccagcaa	tttatctgtt	30480
ttataagaat	tttagcacac	acacatacac	acacacaccc	cccaagatcc	tccttcagct	30540
aagcaatcca	ccaggagagc	tgggtgctcag	atacctgaca	caagagaaat	ggcaagctaa	30600
actgaaggaa	ggtattctag	actaagaact	tccaacaaat	gatacccaca	ggcccgttta	30660
gatttaaaaa	ttgcacagaa	ttgccttgca	tctaaaagac	tagaggctgt	ggaagcgggtg	30720
tcccgggagc	tctctagctc	cccaggagga	accaggatgt	caaaactctc	tcaagcttcc	30780
caggctgtct	ccgtagcaga	ccctgccccca	gccctgggtc	ccctcttcag	ttcctccccc	30840
gattcgatcc	gtcatcccgt	agtggcgctt	gctgcagccc	tccttggttg	ctttatttat	30900
ttattttgca	ccaacagggt	tgotgcagac	tcattctggt	ttaaaaagag	agaagaggag	30960
ggaaaaaaaa	aaaaaaagaa	aaaaatgctt	cctggctctt	ttctctcctt	tgggtcttggc	31020
agcgcgaccg	cagtagcggc	ggcagcaaca	gcagtcttgc	cagccggctg	atgcggcagg	31080
ctgccgggca	gtggggagtg	gggactcaga	cacacgggga	aggtggagag	gccaagggtgc	31140
agctcggatg	ggacaggccc	cagccctgga	gagatgcagc	gcccactctg	atgccacccc	31200
ccagcttctc	cggtaagtgc	ccctgccccct	ctgtgggcac	gtctcagctg	ccctttccca	31260
tggcattctc	aaagacaagg	ccatgttaaa	tagcctacag	gaaagagagc	ttccctctca	31320
ccctagctga	ccattcatcc	tgtgattgga	aaactaaaat	gtcccaggta	cccttggtag	31380
ggagagtcca	aggagccccc	cccccccgct	tttttttagcc	tctaaaaagc	tgccctccta	31440
atctgtgtgg	atactccaaa	aatctctctc	ctaagtgcgc	cttcacccatg	caggtcccca	31500
tjccctcaatc	tggcatgctt	taaagtggat	atgtgtctga	atgaatctgt	gggtgcacaa	31560
tagacaagaa	agctccatct	ccctgagggg	gcagtgcgcc	agactctaga	ccccagggga	31620
agagaaagag	tt					31632

<210> 2

<211> 2393

<212> DNA

<213> Mus musculus

<400> 2

gacgggccaag	gtgctccctc	ccctctccct	ccctccctccc	ttggggccctg	ctccctgccc	60
tcctgggcag	ccagggcagc	aaggacggca	ccaagggagc	taccccatgg	acagggcccc	120
acagagacac	caccggacat	ctcgggagct	gctggctgca	aagaagaccc	acacctcaca	180
aattgaagtg	atcccttgca	agatctgtgg	ggacaagtca	tctgggatcc	actaoggggt	240
tatcacctgt	gaggggtgca	agggcttctt	ccgcgcagc	cagcagtgtc	atgtggccta	300

ctcctgcacg	cgtcagcaga	actgccccat	tgaccgaacc	agccgcaacc	gatgccagca	360
ttgccgcctg	cagaagtgcc	tggtctctggg	catgtcccga	gatgctgtca	agtttggccg	420
aatgtccaag	aagcagaggg	acagtctaca	tgcagaagtg	cagaaacaac	tgcaacagca	480
gcagcaacag	gaacaagtgg	ccaagactcc	tccagctggg	agccgcggag	cagacacact	540
tacatacact	ttagggctct	cagatgggca	gctaccactg	ggcgccctca	ctgacctacc	600
cgaggcctct	gcttgtcccc	ctggcctcct	gagagcctca	ggctctggcc	caccatattc	660
caataccttg	gccaaaacag	aggtccaggg	ggcctcctgc	caccttgagt	atagtccaga	720
acgaggcaaa	gctgaaggca	gagacagcat	ctatagcact	gacggccaac	ttactccttg	780
aagatgtgga	cttcgttttg	aggaaaccag	gcctcctgaa	cttggggaac	cagaacaggg	840
tccagacagc	cactgcattc	ccagtttctg	cagtgcacca	gaggtaccat	atgcctctct	900
gacagacata	gagtacctgg	tacagaatgt	ctgcaagtcc	ttccgagaga	catgccagct	960
gcgactggag	gaccttctac	ggcagcgcac	caacctcttt	tcacgggagg	aggtgaccag	1020
ctaccagagg	aagtcaatgt	gggagatgtg	ggagcgctgt	gccaccacc	tcactgaggc	1080
cattcagtat	gtggtggagt	ttgccaaagc	gctttcaggc	ttcatggagc	tctgccagaa	1140
tgaccagatc	atactactga	cagcaggagc	aatggaagtc	gtcctagtca	gaatgtgcag	1200
ggcctacaat	gccaacaacc	acacagtcct	ttttgaaggc	aaatacgggt	gtgtggagct	1260
gtttcgagcc	ttgggctgca	gcgagctcat	cagctccata	tttgactttt	cccacttctt	1320
cagcgccctg	tgtttttctg	aggatgagat	tgccctctac	acggccctgg	ttctcatcaa	1380
tgccaaccgt	cctgggctcc	aagagaagag	gagagtggaa	catctgcaat	acaatttgga	1440
actggctttc	catcatcctc	tctgcaagac	tcctcgacaa	ggcctcctag	ccaagctgcc	1500
acccaaagga	aaactccgga	gcctgtgcag	ccaacatgtg	gaaaagctgc	agatcttcca	1560
gcacctccac	cccatcgtgg	tccaagccgc	cttcccgcca	ctctataagg	aactcttccg	1620
cactgatgtt	gaatcccctg	aggggctgtc	aaagtgatct	ggaggaagga	caactttcta	1680
tttcttccag	ccctctgacc	cgtctccctg	gactcccttc	acccagcctt	tccctttctg	1740
cactctatga	aggggtggtat	ccctaggagt	aagcaaatcc	taagactgat	tttctgcccc	1800
taggcttgcc	ttgtaggaca	acagcagcaa	gtgatggaga	aaaggcttgt	tatgtttgat	1860
ttcccataag	ttccaccctg	gcttctggaa	gctgtggggg	agatgggata	gagataggat	1920
gaccaagtca	aataaaaaaac	agactgacaa	tcagcaggga	taaatccagg	tacctgggat	1980
aaggagaact	caaatctagg	cttgaaagct	aataacagtc	ctttcaatac	ctcattgtat	2040
ttcccctatg	gtcctcctgg	ggggacatgg	atctagctca	gagactgggt	gcaagccccc	2100
agaaggacct	gtatataata	agaatataga	ttcctgagac	ttttctgctt	ttcttcttcc	2160
tagttaagaa	atgttggtga	ccccctctgc	ctgttttctg	ggacctaaaa	tgcttggtatg	2220
tgtaaagaat	gaggggtggg	tggagataag	gtcccaagat	aactgtttta	tgggggtttg	2280
gtatgaagaa	aaacatcact	ggaaaaatta	gaatggaaac	ctctttgcac	actttaaaag	2340
tgtcagattc	gttagcagtc	taatcagaga	cacacatcca	cacaggtgga	gcacacagag	2400
gctctgcccc	cagtgcacac	attctgtaga	ctttccctct	ggcacacaa	ctcttctctg	2460
aggttgccag	tctgagaagc	ctgaggttct	aattcataca	ggacaccaga	attcatccca	2520
gctccagctg	tctctgtccc	ctaagagaag	cagaggaccc	gatactaacc	agccggaaaa	2580
cccaaggacc	agcaccgcgg	aagatgcctt	tgacttcagt	ctctacgcta	tgaggaagga	2640
aggcagcgcc	atcccctgct	ctgtacctgt	gtgtgtgtga	ctccacatga	tggagagact	2700
aggaacagga	cagggacctg	tttctcctcc	atagtcttgc	tcagaatttc	tctcagtttt	2760
gtaaaagctg	agactctctt	aggaggtata	agcagcagat	gagagggagg	gaggtttttt	2820
tttttttttt	tttttttttt	ctctcagagg	aagggtttag	ccaagtatac	ataaatccca	2880
actgtgcca	ttc					2893

<210> 3

<211> 1551

<212> DNA

<213> Mus musculus

<400> 3

atggacaggg cccacagag acaccaccgg acatctcggg agctgctggc tgcaaagaag 60

acccacacct	cacaaattga	agtgatccct	tgcaagatct	gtggggacaa	gtcatctggg	120
atccactacg	gggttatcac	ctgtgagggg	tgcaagggct	tcttcgccc	cagccagcag	180
tgtaatgtgg	cctactcctg	cacgcgtcag	cagaactgcc	ccattgaccg	aaccagccgc	240
aaccgatgcc	agcattgccg	cctgcagaag	tgcttggtct	tgggcatgtc	ccgagatgct	300
gtcaagtttg	gccgaatgtc	caagaagcag	agggacagtc	tacatgcaga	agtgcagaaa	360
caactgcaac	agcagcagca	acaggaacaa	gtggccaaga	ctcctccagc	tgggagccgc	420
ggagcagaca	cacttacata	cactttaggg	ctctcagatg	ggcagctacc	actgggcgcc	480
tcacctgacc	tacccgaggg	ctctgcttgt	ccccctggcc	tcctgagagc	ctcaggctct	540
ggcccaccat	attccaatac	cttggccaaa	acagaggtcc	agggggcctc	ctgccacctt	600
gagtatagtc	cagaacgagg	caaagctgaa	ggcagagaca	gcattctatg	cactgacggc	660
caacttactc	ttggaagatg	tggacttcgt	tttgaggaaa	ccaggcatcc	tgaacttggg	720
gaaccagaac	agggtcacga	cagccactgc	attcccagtt	tctgcagtgc	cccagaggta	780
ccatatgcct	ctctgacaga	catagagtac	ctggtacaga	atgtctgcaa	gtccttcoga	840
gagacatgcc	agctgcgact	ggaggacctt	ctacggcagc	gcaccaacct	cttttcacgg	900
gaggaggtga	ccagctacca	gaggaagtca	atgtgggaga	tgtgggagcg	ctgtgcccac	960
cacctcactg	aggccattca	gtatgtgggt	gagtttgcca	agcggcttcc	aggcttcatt	1020
gagctctgcc	agaatgacca	gatcatacta	ctgacagcag	gagcaatgga	agtcgtccta	1080
gtcagaatgt	gcagggccta	caatgccaac	aaccacacag	tcttttttga	aggcaaatac	1140
ggtggtgtgg	agctgtttcg	agccttgggc	tgacgcgagc	tcattcagctc	catatttgac	1200
ttttcccact	tcctcagcgc	cctgtgtttt	tctgaggatg	agattgcctc	ctacacggcc	1260
ctggtttctca	tcaatgccaa	ccgtcctggg	ctccaagaga	agaggagagt	ggaacatctg	1320
caatacaatt	tggaactggc	tttccatcat	catctctgca	agactcatcg	acaaggcctc	1380
ctagccaagc	tgccacccaa	aggaaaactc	cggagcctgt	gcagccaaca	tgtggaaaag	1440
ctgcagatct	tccagcacct	ccaccccata	gtggtccaag	ccgccttccc	gccactctat	1500
aaggaactct	tcagcactga	tgttgaatcc	cctgaggggc	tgtcaaagtg	a	1551

<210> 4

<211> 44577

<212> DNA

<213> Homo sapiens

<400> 4

cttctggact	tcttattatg	gaagtcaagt	gtccatattg	ttaagtcaga	ctgagttggg	60
ttttctgttt	tctcacactt	ttagcggatg	tcagccataa	tgatgcccac	gtgttatctt	120
taatcctcat	accaactctg	agagttttat	tctttctggt	ttccagatgg	aaaaggtaag	180
ccccaaagag	attaagttac	atgctagagg	tcacacagct	agtcagtgcg	agaatccaga	240
ttcccagccc	atctgactga	tgacaaagca	atgaatactg	cagcactcca	agaacatgga	300
ccctccccag	aaacaacacc	agggctgagc	tgagtcagaa	gccacatgaa	tggaagggtct	360
ggaggccacc	agggatcgcc	acagaagaaa	cacttgcttt	gttaaaatct	tcaagtatta	420
gatgacacaa	taateattgc	attcactggg	ttgtttccatc	ttttttccctg	catttcaggga	480
tttgtcttat	tgttgtttgc	atgtttattg	tctgtctctc	cccttagaca	gctctctatt	540
ctatgtatcc	ccctagcaca	gtgcctgggt	catttttaggc	acttcaatga	atggatgaac	600
aaattgatcc	aagtataatt	ttgcttacta	cttcactcat	caaatacacc	ctgactgagt	660
acctgctttg	caccaagcac	tgttttttaag	attcttagtc	tagtaagaga	ggtggacatt	720
aaacaaataa	ccacataaat	agagggggaa	aaactgtaat	caatgctata	aaggaaaagt	780
atgaggtaact	atgaaaagtgt	acagcaggtg	cccttaattt	agatgggagg	gtgtcagtga	840
gggcctccag	agctgaagca	tgaaggagaa	gagtgttctc	aggggaggaa	ctagccttgc	900
ttcctttcag	agactgaagg	atggtaggtg	tgtctagact	gcaactgatg	gtctcatctt	960
gtctgtgggt	gcctgtgctt	cctaagatct	gtcagggatg	gaggacatag	gccagcttga	1020
tcctgactgt	tggatccagc	tttatcttca	gtgtttctaa	gtccagaaat	ctgaggtctg	1080
gccacttttc	cttttagccac	aataattcag	agaactatta	gccagaataa	tgcagacaac	1140
tgatcactgc	aagtcactct	gccttggagc	tattggaatg	gtcccagaac	agggcactgg	1200

gggccaaaggc	aggatttcaa	ccaggaggggt	tttacagaag	atggacttca	cctgtgaggg	1260
ctgggggttgg	aaccgagcac	caaagaagtg	gccactgtcc	actgatggcc	gtctccctct	1320
tctctgtagc	cctccccac	ccctaagcag	cccagcttca	gcagaggagg	cctgggcaca	1380
ggaatggatt	gttgctagaa	acctggcttc	agctggagga	agtcagaaga	ccgggctgat	1440
ggccgcgcag	acagagctgt	gtttatccag	gaaaagaggt	aggacgtagg	cagcggaggc	1500
ccctgccagc	tcctcccata	aggactgcgc	tgggggagca	agctgcagag	aaagctgctc	1560
ccctctggct	ctgaaagtgt	cagggcctga	ggccagaacc	caaaagcgac	ccacaggtga	1620
ggccagcact	ccgggcgcgc	gacggagagg	gtcgtagct	cggatcccag	ggcagagggg	1680
cggaacacgg	tgtctttggg	ggctccgcgc	aggggtgagg	cgagcgcgtg	gtggcggagc	1740
cttccggaga	ccgctctgag	ggtggcggag	aatcaatgct	gcctttgtgc	tcgggtggtt	1800
ccgagggaga	aaaggagtgg	agagtaggag	gggcgaccca	acggcccggc	cccgcctctg	1860
agacgcggga	tgcggtaggg	ctgggaggcg	cgggagctgg	acggtcaggg	ctactggggg	1920
tgggattctg	tgtccccggg	aggtgcgtct	ccttggacca	gcccagggtg	tcctgaggte	1980
agcagccagg	tgtgtccctt	ggctgccagg	agcagaagtg	agtcctcttc	tggcttgagg	2040
cgactcgagg	aggggaagga	ggagccagag	gaggcagggt	gggctaggac	tgagggatgg	2100
ctcaggccag	agaagcttga	gccggggcag	cctggcaaaag	ggaggaagtc	ccaaggggcg	2160
ccagactgga	tcccagagga	aaacccaagt	cttcgaaatg	ggcgggggag	gagggcgtga	2220
gcccgcctag	ggcgcagtgt	cccagggggg	ttgggatctg	agtccttttg	ctataatgcg	2280
gttattatcc	tatttgtcct	aatagtaccc	tagggttctg	gtggatacta	tatgggccct	2340
ctaactgtaa	ggtgaatggg	gcctctttag	taccagtggg	agaatctgtg	tacttggtga	2400
cggaggcccc	tatatgaaaa	tgtgactgac	tggccctttg	ctccctccat	ttctccccag	2460
ccccccagac	tgcgcgcgcc	tttctttttc	tgtcacaata	ggggtccgcg	ctcccagtggt	2520
gtccggagac	cggggcgcgg	tggctgaccc	ccgggtgtac	gccagcatca	ctcacctctg	2580
actcctctgc	gtcctctgcc	cagccccgct	ccgccgagca	ctcccatctg	agacgggatt	2640
tggaccctct	cggccctgcg	gaattcggaa	ttccattacc	ccaccaccgc	catgtggctc	2700
ttggaaaaag	ctggctataa	ggtggggggc	gcggatcctg	cggcccgttg	ggcgccttcc	2760
ggcctgttct	ccaagcgteg	cgccccgggc	ccgccacaaa	gcgcctgccc	caacgtcctc	2820
accccggate	gcctcccgcg	gttcttcctc	ccgcctcggc	tcccggaccc	gggcggcgca	2880
ttgcccgcgg	ccgggcggca	cgtggcgggg	cgcgccactc	cccgcgacct	gttcgctgcc	2940
tcacctggcg	ggccgcgaat	gctgggcctt	cctgcccagag	agcccgcaca	cgcgccggcg	3000
ggaatccctg	ttccacgggc	cgccacctgc	ccggcccggg	ggactccccg	cggcgcagtc	3060
ccggtgcac	gtctccgcgc	cggacctgcg	cctctgcggg	gcccccgaca	gcgacacggc	3120
ctcgtcgcgg	gactcgtcgc	ccttcggctc	cccgcgccca	ggcctggggc	ggcgcggggt	3180
gtccaggcct	cactctctgt	cccagaaaaa	agcgagctcg	gccgatacca	gcccgcactc	3240
gccgcgcgcg	gccgggcccgc	ccacgcgcgc	gtctctccac	ctggacttcc	tgtgctgcca	3300
gctgcggccc	acgcgcgaga	gctgtctgcg	cctggggccc	cgcggcgggc	agctgcgggt	3360
ctccaccgaa	tatcaggccg	ggcccggggc	gctgcggctg	cgccagtga	gcgcgagggt	3420
cctgccccgg	ccgcgggtcc	gccccgggag	cggcggcgga	cgaggatttt	tttttcgaag	3480
ggctcggccc	ccgggacctg	gccgcccgcg	gcttgagagc	caaggtgcta	gacaggggog	3540
cgggacttcg	cagggatgtg	ctgctggggg	agtgcgagac	gcccctcatt	gcgctgctgc	3600
ccccgctggg	tgggggacta	ggtcccgggt	catccctggc	gcccacccat	ctcagcctgt	3660
agcctgagcc	cctggcttcc	tcaggacgtc	tcactgtgt	ctgcagtcca	cattctttcc	3720
accctgcccg	gcttgtattt	atttttgcta	ataaaatgtc	cccttgctct	tagccagata	3780
tttccccctt	ctggcacctt	acacgctcgg	gcatagagcc	taccgatctt	ccctctatcc	3840
cggccatacg	cggggggaag	atgctcattc	agacgggtctg	agtagagcag	accttaagca	3900
gtggtttctc	agcttgaaag	agcatcagaa	taaccagaca	tcagaaatcc	tggaagagct	3960
ttttaaatat	gcagggtcct	gggtcccatc	cccatgagat	gctccttcag	tagatctggg	4020
ccaagtaggt	cctaaggtcc	ccggccaaca	aggccccoga	acaatcaggg	agccctgcaa	4080
tcactgagtc	actctgacag	aaaccaaac	aagccacctt	ccacttgagg	ctgcacagag	4140
gaaattaaca	ctcccttctt	gtgcacctct	aaaaaccaca	tctgtcctga	agacagatga	4200
aatttctggc	tcttgagagt	gagtcagggg	atgtcagatg	aacacagagt	gccccttagt	4260
cttcccttct	ccctcttgcc	tcttcacac	ctgtgcgtcc	cttgaggggt	ggggcaagtc	4320

tggagccaag	aaccagagag	gtgcttgggt	accaaagtga	tgagatataa	tgtcccaggg	4380
attgaaaggg	gggaggtggg	gtactacca	agtgtgagaa	ctgttctcag	gaatgccaga	4440
agagcctcct	ccagccagaa	ggaggtgggg	gtggggggag	gtggataatt	gtaggtcaca	4500
ttgtgtttac	ctctacctga	atgtccctga	cgtcagcagt	gaccttcttc	tctctccctc	4560
caccttccca	ggagccggtt	cctctggact	caggccaggc	ttggaggagg	gagggaggaa	4620
gtgaggtagg	cactaggcta	acccaacttc	tttctccctc	tcccttgggc	cctttctcat	4680
ttttcatggt	gccagctgtg	gcctgcacca	gggctaagct	tgcgggatct	gacaaaacct	4740
caaaagcctc	agcacctgga	cacgttaaat	tccaacacac	acacacacac	acacacacac	4800
acagagacac	acacacagag	acacacacac	acacacacac	acacacacac	acacacacac	4860
acacacggct	tcattcagac	agctctccag	ttccttctcc	cttccctgat	tgggtccgca	4920
ccaccagccc	ctaggccaga	gaactcttgc	tccaggtgtc	caccaggtgg	tggcattgac	4980
caaacaatcc	taagtgtata	ctactacaca	tggattataa	ccacatgagg	aactgttcca	5040
acaattagtc	aagccattta	ttcctcccag	caccttctat	tagggtgtaa	atactattat	5100
tatccaatgg	gatcttgggc	ctcgcatagc	tagtaaaggg	aagaactagg	actcacatag	5160
ctagtaaagg	gaagaattca	gggagtctgg	ctccagagtc	tggactctta	atcacttcaa	5220
gataataccc	cccactgcc	gctgctgctt	cccaatcaag	tcactctaaa	aggggcctcc	5280
ttccctaaga	tggtagctct	gcaaagggtt	cgtaccctgc	cagtttaaaa	tcccatgttt	5340
gaattctggg	aagtctacct	atagattttg	gtctaccctt	agtactggat	ttctatttca	5400
gcccccaaat	tctcccataa	caacccttgg	tgagaaactg	gatttgatgc	ccatttgaaa	5460
gtatctggaa	agaaagttag	aggccttaga	accttcattc	atgcattcct	tcaacaaata	5520
cttcgggaag	gtccatcagg	tggcaggcat	tggatacagc	agtgattaaa	cagacatggg	5580
gatcagaaaa	gtgataaaat	aagccattaa	aatgtaaaaga	atgctacttg	gtgatatgtt	5640
acagagaaaa	ataaagcaag	aaaggggaata	gaaaagaggg	gtcagataaa	gagaagggaa	5700
gattataggg	acagaaagag	ggagggagga	gaggaaactt	ttttttttta	accatagtag	5760
tttggaccag	gtcctgaact	ttatctgtgt	tatctcagtt	gatcatcaca	accactcagt	5820
agagtagata	ttagtattcc	tctttttttg	gggtgggggg	acggagtctc	actctgtttg	5880
ccaggctgga	gtgcggtggg	gcgatctcgt	ctcactgcaa	tctccacctc	ccaggttcaa	5940
gtgattctcc	tgccctcagc	tcccagtag	ctgccactac	aggcgcgctg	caccacaccc	6000
gctgggtttt	tgtattttta	gtagagacgg	ggtttcaccg	tgtagccag	gatggtctcg	6060
atctcctgat	ttgggtctcat	gatctcgggt	tccgtctcat	gatccaccca	cctcggcctc	6120
ccaaagtgtc	gggattacag	gcgtaagcca	ccgcgtcaca	accactcagg	agagtaggta	6180
ttattattcc	cacttttaca	agaaagaaat	ggatcagata	gatagggtta	gtaagcttgc	6240
ctgggggaaca	gccctggctg	gagggaaagg	ttctgacctg	actccaccca	gacaccccca	6300
ctgccacccc	aactgcttag	gggaagctgt	gaggaaatcc	aaggccactc	ctcccaggag	6360
cagttcactc	agcattcaca	gccctgaggc	tctgtgatgg	gggccctagc	attgctggag	6420
gaacatcctg	ggtagctaaa	gtacagaaac	atgggagtga	ggaggtccta	agaaaccttc	6480
cagtgtgcag	attgctctgg	ccccaaagca	cttctataaa	cactagtcag	aggccagggt	6540
tgggtggctca	cgactgtaat	cctaacaact	tgataagtgg	ataaatgtgg	gaggctgagg	6600
cgggcagatt	acctgagctc	aggagtttga	gaccagcctg	ggcaacatgg	tgaaaaccca	6660
tctctacaaa	aaatgcaaaa	attagttgca	tgtggtggca	tgcaattgta	gtcccaacta	6720
cttggggggg	tgaagcagga	ggacctcttg	aaccacaggag	gtcaagcctg	cagtaagctg	6780
agatcacgcc	actgcactcc	agcctgggtg	acaaagttag	accttgtctc	aaaaacaaaa	6840
caaaacaaaa	aaatccacta	gttaggacag	gtattattgc	ccatttttta	ctgatgtggg	6900
agctgagggc	tgagatttcc	ctcagggcct	acagctagta	aatggcagac	cacattctta	6960
taagtgatcc	tgccccagca	tttaaacctt	tcttgccacc	tccaagcctg	tgtgactata	7020
aatgttaatt	ggtajaggag	aggtacaagc	agggctactg	tggaaagtcc	aaggccagga	7080
gctagggtca	aactccact	gttccctcac	ccacagtggc	ctttgtgaca	agaaggggga	7140
ggggtgggga	ctgtgagatc	tggaggctac	cgaagttaac	agagcctggg	ctgtcctttt	7200
tcaacggttg	aggcacaacc	catccctgag	tcaactccagt	gggttgaggc	gtccccaggc	7260
atggaacccc	ctagaaccca	aagaaaagtg	gtccctaata	actggatcag	gcaccccaag	7320
gagagggccc	tccaaggatg	gggctgggga	agtgtgtgcc	accgcagact	accaggtctc	7380
cacatatattt	ccaccttgac	ccccaggccc	tccctgaaa	ggcagatttg	tgtctgagctt	7440

taagtgggtt	ctgtgggtta	gggttgggga	aggaaggaaa	gagatgctgg	ggactgctcc	7500
ccagttccaa	gccaccacca	ccacctccca	tcccttccag	agtgtttgcc	cccagcatgg	7560
agatttcccc	aataagggga	ctgggcacgt	ggggatgaaa	tgattctctg	atccctatca	7620
gcccccttct	tatataagat	tgtatttgaa	gaggaaataa	ccaccgccct	gctttgaaag	7680
gacgattctt	ccagataagg	ggctgtgatt	gcagcaagag	ggagaaagtt	tagacaagag	7740
ggggaacttc	ccaaaaggat	aaccaaggga	tcttcttgcc	ctggggagaa	aaaaaactca	7800
aactatccat	gcttagggca	ggggagaggt	agagaatgcc	taggaagcat	gtgacactcc	7860
taggcctaga	ggtcaggata	ctgtcttcta	aatctccagt	cacttcctcc	ccaccctaca	7920
tagtagcaca	aagtggcaca	actggggagt	cagctgtgcc	tgagtggtct	ggggatgctc	7980
tgtgtccatc	cgcaagcatt	ctacgtgacc	tccactctgt	gcctgcaatt	ggtgggttgt	8040
agaagaggta	gtcacgaagg	gccccctggga	gacccagagt	caagagggaag	agaggccata	8100
aaaggagaaa	agatagagag	gggacagctg	gagaagagcc	acagacaggc	aggagccagc	8160
aaagagagac	agagagatgg	gggataactg	aggagtctctg	gggaggaggg	gagcagaacg	8220
gcctctcccc	tgactcctca	cgcccgccat	gttgcctggct	cctcctgtca	gctggagggt	8280
gctggggggg	cgggggggaa	gggagctgca	aagcacttta	cctctcactc	caaacctgcc	8340
caaggtgcag	agcccccaaa	cagaccaaca	tcctgttctg	tgagagatg	catacatgga	8400
tgctggggcc	cacatttacc	aaaagaacac	gggggataat	cagagcctca	gaggcatagg	8460
cacataccct	tagactcagt	gcagaagggtc	cccaaaactt	ccccctctct	ttctcactac	8520
tcatccactg	tcaatgacct	taggagttga	aaagtccttc	tccacttcta	cctttatctc	8580
tcaatctgca	gccatgggga	gactctggga	gctacctaag	aacagagggtg	ctgatggtag	8640
cagagtgtga	agctccaggg	ttgggcagga	gtggaggatg	gcgagacgag	acggcagaag	8700
aggggaaggga	cagctgcttg	ccctctccat	gccagggtgc	acgtgcacca	ggtggggggg	8760
agtgggcgag	tcacgaggct	gtggcatggc	tgactcctgc	tctgctgttt	accagctggg	8820
aacgagagca	ggaggagggtg	ccaggggagcc	tcttgctgca	gcctggcccc	tggccagttg	8880
cttggtgggt	aaccaggaga	gtcaggccca	gctaatacaa	ctctggggcc	aggccatgca	8940
ggagaaaagc	agcaccagga	tcccagaag	cctcgtcctc	ttggccccct	tcagagcctt	9000
cactgcaggc	ctcagtgtgg	gccactaggt	ctgggagcct	ctccttctcc	caatgagtc	9060
agtgcagcat	ctctcctctc	ctcttcccca	ccatggcttc	tctgcctcca	ggcactcctc	9120
caggcctgcc	ccttgcccca	acagatgagg	agcacgtaga	agcatcaggg	ggtcagggag	9180
tcctggcaag	agcagcaagg	gttaggggca	ggggccgagc	aggcagaggc	ctcagggaac	9240
tgaacagtca	ctgggaggag	tctgactgca	tcctagagaa	gagacacagt	cccccaaacc	9300
tgccctctcc	atctccctca	tgctgtcac	ctgtcttagg	tagaaatcac	aggattctaa	9360
agtcacaaag	acttggtgcc	aaatcatagc	tcacccattt	attgttcttg	tgtgagtcct	9420
tgggcaaaat	cattaatata	tctgagaatc	cctccactca	ctgatcaatc	tgggaataata	9480
atgtttccct	gtggtgggtg	ctgtgaatat	ttacacaaag	taaaagcatg	gatttacata	9540
aagtgtcctg	caaagggtcc	agcacacagt	aagtgattaa	taaatgctag	ttcccttctc	9600
ttctcctgtc	ctgtttctcc	tcaaggctcc	atgcactggt	ccactggtct	ctcctcatgt	9660
ccctcctggg	tgccaggaca	ctctgcacgc	cactcctttt	cctgcctgct	tggaggggca	9720
ggtgctcccg	ccttccaccc	tccgcccctc	tcctcctcct	gggcccctgt	cctgcctctc	9780
ctgggcagcc	agggcagcca	ggacggcacc	aagggaagctg	ccccatggac	agggccccac	9840
agagacagca	ccgagcctca	cggggttaaga	ggcccagggc	cctgcctgca	ggtggaagag	9900
actgctggag	gttcagaggga	gggcagaaat	ggcaagagac	tgggcaagaa	gtgaggaggg	9960
gagggaggga	caagagtgtca	gaggagaaag	ccctgggttg	gcagggagtg	aaactggagg	10020
agaaacagga	ggaggggctg	gggagatgac	agaggagaaag	aaatcgcaaa	aggagagaaa	10080
caggaaagaa	agggagaagc	gggagaaggga	agaaacaggt	tggagggtag	atggggaggg	10140
aagagccaag	tcaggggagc	cagatctaga	ccagcgagg	ggtcagaatg	tggacaggcc	10200
ctcccagggtg	tgggttacc	cccaggagg	cacagggaca	ctgcttctct	gatctggcca	10260
ggaccccaga	cagcagtggc	cgggaggctg	gctgctccac	gttctgttca	ttcacacagt	10320
gagaaaacctg	tcctttaagg	agtacagac	ttggggagtg	tggcaggggg	aaccacaccc	10380
tgtcagctgc	ccatgaccac	gtagcctggt	cctttctctg	ccactcacc	agggatgtgg	10440
gatttcatct	ctgcagagaa	tgtggggcac	tgggcatcca	gcagggaagg	acagaatgtc	10500
agcccgctct	tggcccaccc	catggttccaa	gtcagggaac	ccctcagagc	aggatcgcag	10560

ggccacaggg	ttggtcagct	gtgagcatgg	aggaggaaag	tttgagggcc	agagccacca	10620
agctccaggg	ccacctgggtg	gaggaagaac	tggctgcctg	ggtgagcaag	gggagcacc	10680
ccaccacagg	actgctctga	ggtgcaaggc	tagaggccag	gagccggtgc	cacgtcaggg	10740
aggaagctgg	gtggggccag	gcaggagcaa	ggggaggtgg	gcggggctgg	gtggggcctt	10800
gccacctcgg	ggcagtcttt	tctcctccct	caccccagca	gagcccaggc	catcaggcca	10860
ctcgccctcca	cacagcctag	tgaccacggc	ctgccagtgg	ggagcatctc	ccgggcagaa	10920
gggcactgta	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	10980
tgtatgtcag	gtgtcaagac	tgaacagcag	aaggaaaaaa	ataacagaat	agagtcagag	11040
gttagggaag	ctataggggg	tatagggcat	ggttgaagca	gtcttttctc	ctccctcacc	11100
ccagcagagc	ccaggccatc	aggccactcg	cctccacaca	gcttagtgac	cacggcctgc	11160
cagtggggag	catctcccgg	gcagaagggc	actgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	11220
tgtatgtcag	gtgtcaagac	tgaacagcag	aaggaaaaaa	ataacagaat	agagtcagag	11280
gttagggaag	ctataggggg	tatagggcat	ggttgaaggg	ctttctgaga	caaaagactg	11340
gccatgtgtt	ctgtgatgag	ctgctatgtg	gatgtaggaa	atgggccaa	gtctggcagg	11400
ggaatcctct	ttccaggggc	tccctggcta	ggtgtttcat	agatgttaac	tgcatgaatg	11460
ggtgacaccc	ccccacccac	caacctatgt	ccagctaagg	ccctccctc	aacggctgct	11520
ccccctggag	gtccgagtat	ccatgtgacc	cccatcgacc	cactcatgct	cctactgcc	11580
caatctccac	ccagaccggg	ccacgcagca	gcagcagaga	agggaggcct	tcctcttcag	11640
gctggtaggg	cagggaagcc	tggcccgtgg	aagccagaga	ggggtctgta	tttgcaactc	11700
tcccctcctc	ttcctccaaa	catcctctcc	cctactccc	aacccccaca	tctctgaagc	11760
cctggtgttt	tcaggcatag	ataagcaacc	aagagatttc	agteccacag	agattttaact	11820
ctggctgtag	gatatttctt	gtgcacctcc	aatgaaatta	caaagtaaat	aagaccaaca	11880
cagtccctgc	cttcacaggg	ctttacaatt	tggcaggaaa	gaccatttcc	atagacaatg	11940
acacaattac	agcagttagg	tgacagttgg	tgacatggtg	agtgccagga	aataaaatgc	12000
aaggagctaa	atgtgtcagc	acaagggcag	gggaaggggg	tgtgtgtggc	ttctccaagg	12060
aagaaacata	atcagagacc	tgaggggaga	agagaagttg	gctagattaa	ggggtacagg	12120
agggacaggc	attctaggca	aaggagcagc	ttgggggagt	cccagaggca	gtgaggagcc	12180
tgacacttct	gggtacctgg	aagagggcca	gtgtggccca	agggcagagg	aggagagagg	12240
ggcactgcag	ggggtggcct	gcctgccctt	cagacgccag	gctctgaggg	aaggagtgcg	12300
gcagtgggat	cctaggagtg	gggaaagtgt	ctcagccctt	catgatcttc	aacctttgac	12360
gtcaaccccc	tctcttgtct	ttacagagct	gctggctgca	aagaagaccc	acacctgtga	12420
gtaggggggtc	cggggcaaga	aaatggctgg	ggcataatga	gatggagaat	aattcagcaa	12480
gtgatctgtg	gggggaactga	ggttggacag	aggtggagga	gtcaggaaga	gatggcaggc	12540
aacaggaaa	caaggggagg	tgcgaggaaa	ccacagatca	gggcagtggg	aggagatgag	12600
gaagaagcct	gaagcatgaa	aggaaacact	gtaaagaaac	taggagagaa	caaaggaaaa	12660
gggaacggcc	ttgtgaaaaa	aggcgaggag	aaatgctgga	cagaggcagg	gagatgggag	12720
ggggtggggc	cgactgccag	gccggggaag	gaaggagata	gaggtagggg	ggtgtgggga	12780
ggcgggggtg	cctcagggaac	tcagggaactc	agcgtctctg	ccaagggaga	cagggagcct	12840
gcaccaggct	tttttttttt	tttgagacag	agtctcacac	tgtcgccctg	gctggagtac	12900
gatggcacaa	tctcggtcca	ctgcaacctc	cacctcccag	gttcaagoga	ttctcctgcc	12960
tcagcctctc	gagttagctgg	gactacaggc	acccaccacc	acgcctgggt	aatttttgtta	13020
tttttagtag	agacgggggt	tcaccatggt	ggtccaggctg	gtctcagact	cttgaccttg	13080
tgatccaccc	ctctcggtct	cccaaaagtgc	tgagattaca	ggcatggggc	actgtgcccc	13140
gcttgaccca	agctctgtgg	tcttgagcca	ggtttggtgt	tcactctctgt	ggttaacaca	13200
tcttgagggt	tgaacaagcc	tgagaccagc	ctgtgcagga	ctagagagca	ggagagcttt	13260
atctctgtag	gaaacagaat	ggacaggggc	actctgtgtc	ctggggccct	gaaagccaga	13320
ctacagcagg	taagaagggc	actagagctc	agagaggact	tcccagtggg	cgctagtga	13380
taagaatcct	ctctaggggac	cactcagcac	atcagctctc	ctctcctagt	ttgtggcaaa	13440
ggctagtccc	ccagagaatg	cacacagtcc	caaagctatg	cccatcaggg	ccatgcgtgc	13500
ccttctgtga	gcattgggtcc	ctgaatcgag	aggatccctc	cagggtagga	gtggccacac	13560
cattctctca	tagcctgccc	ttgactgcct	tgcagtttcc	tcttgagagc	tcactgacct	13620
ctcgcccaat	gccaaaattg	tctagagcct	ccctgttcca	agtagagaca	tctcagagag	13680

caaagcattg	cccttctcca	tgagctgggc	agcccagggc	tgagggccat	ccaggatgct	13740
acctcctcct	gggtgggggt	tgctttgctc	agcataatcc	tgatcagtgt	ctcgctgcc	13800
cctagccaca	gggccccacg	gaaatgctga	gcagggcccc	gggaggaaag	cggttcagg	13860
agtgcgcgg	gtgagctggg	ggaggggggt	cacggacctt	atgtgggtgg	ggggagtagg	13920
gggactttcg	gagcagcagg	aactgggaga	ggtcaaaacc	tattcctacc	cttaaccctt	13980
gacctcagaa	acctcagcca	ggactatacc	tccttatccc	tttcccatcc	caccagtcc	14040
cgtgtcccca	ccccaagagt	gttgtcctga	ggatccaggc	tgacagcctc	ttccccactc	14100
cacggcccag	ctcctgaagc	cccaggaagg	cccaggaagg	caaggaaagg	cctgtgcctg	14160
gatgagaggg	tctggagtcc	cagcaagatc	agacacctct	caggagtttg	ccccacagaa	14220
tccaggagac	attaaggcct	ccccaggccc	gagagactct	gaaaattggc	tcctgaattg	14280
agacaacccc	aagatggggg	tccaagatgg	ggaaccgggg	ggaactcccc	agaccaagag	14340
ggagcctgaa	tactgagggg	ccctgaagag	ggactctcaa	agccaatgta	ccccacaaag	14400
cacctaaagag	gctgagaagg	tctctggaat	tgtttgggcc	ctgagaagga	ccccctcccc	14460
ccaggccaaa	aaacactcca	gagagactca	cataccgagg	gacctcccag	gctgagacac	14520
cctcaaaaagc	agacttgaac	cagagaaaac	ctcccatcct	tcaagtggga	tccgaagcca	14580
gtctgcctgg	gcttgaatcc	tgactctgcc	acttactagc	tgtgtaacct	tgggcaagtt	14640
acttaacctc	tctgtgtctc	actttcctcc	tcgaaatgag	gataatggta	gctacttcat	14700
aaagtttttt	tattttttct	ttttgagaca	gagtcttact	cagttgctca	ggctgtagt	14760
cagtggcatt	atctcagctc	actgcaaact	ccgcctcccc	ggttcaagcg	attctcctgc	14820
ctcagccccc	tgagtagctg	ggactacagg	tgctcgccac	catgcctggc	taatttttgt	14880
attttttagta	gagatggggg	ttcaccatgt	tggccagyc	ggtctcgaac	tcctaacctc	14940
aggtgatcca	cccaccttgg	gctcccaaag	tgctgggatt	acaggcgtga	gccactgccc	15000
ccggcccaca	taaagtattt	tgtgaggatt	agattatcca	cataaaacat	cgagaacctat	15060
ttctgacaca	taatagtaag	cactattatt	atgattatga	gtatgatgat	ggtgatgatg	15120
atcattatct	acactccaat	ttcagcagtt	tggctcctaa	ggaaatttct	ggtttccttc	15180
tgtggattgt	gggtattttg	ctgggtgatta	ttactgcttc	tatcatttcc	atgtattccc	15240
tagcgcaaga	tatatgtggg	gtctgcaggg	aggagcgtgg	gcatgggagt	ggtgggacag	15300
ccccccaggc	tgaccacac	tgggtatggc	tggtggcagt	ccacaggggtg	tcaggtggca	15360
catgccacca	cccaggcgag	acatcctgtg	acttacctct	gaaaacatcc	ctgtccctga	15420
agtcacctgg	caaagagggg	caggcttgga	aggtcctcgg	gggtaggagg	agtagaaatt	15480
tggcttcagg	ctcgtgtgag	ctccattctg	gctccccagc	cagaactacc	ctggcgggtg	15540
gaaacagctt	ttaccgcgtg	tggctgtcgc	atgtggtttt	ggaattttcc	aacgccccct	15600
acgattgggt	gccccctccc	tcacaccctg	ccccaggccc	agattggcca	cgtggggcgc	15660
ctgtcatcct	actcactgca	ccccctgggg	gtgggggtgg	gggttgctac	ttggccacct	15720
gtgtgggtgca	gagcttaaac	ccccagttcc	agaagcactg	ggggagagag	ctaggtgcag	15780
agcttcaggc	tgaggcgtg	ctgagagggc	ctcgccccgc	ctctgcgcgc	agctgcaccc	15840
cactcctgga	ccacccccct	gctgagaagg	acaggagacc	aaggccggca	gagccaaggc	15900
tcagtcatga	gaagtaagt	aatggggcca	cctggggggg	ggggagcctg	gacctgtctg	15960
tcacccccct	ggaaaggagg	atgtcttggg	aacagtgtga	gcaaactctga	gcaaagcagg	16020
gtgcgtcctg	gtcaaggcca	agatctgttg	ggagatgggt	ggagcagctg	gggagtcctg	16080
ctggccaggc	ggctccctga	cagcagcaat	ggtaagagga	ctgttgagga	attcctgagt	16140
tccaaaaaga	acctccaaaa	gtatctgagg	tatccaggcc	cttaatttta	caaaaagact	16200
gagagccaa	gaggccgcgt	acttggccca	atgttacaca	gctgggtatct	gatgggggct	16260
ggtaattact	aggggcccctg	aacgcactct	cctgttacag	tgtttccctt	gttacagtgt	16320
ttccctctgt	gctccagccc	tgcttggtgag	taaaaggagg	ccagagcagt	tgctgtgctc	16380
tgaagcaaca	ggacagcgag	agtcaactga	ggttggcagg	cagcagggca	cagaatcccc	16440
ggtccaggcc	ctcaaaagcca	ccaggctttc	tgcccaatcc	agggacatga	ggactatgtg	16500
gaatccagtc	aggttgccac	cgggcacatg	cctgcgtgtg	tgtgcagtgt	tgtgtgtgctg	16560
tgtgtgtgtg	gggtgtgtgt	gtatgtgtgt	gtgtggttct	ccagggtccag	tcacccattt	16620
gaccggggaa	gcaaggcaat	ggagatggga	ttggaaagac	ctgggctcca	cccttttctt	16680
ggcttggagg	cctgggcca	cagttggtgg	gcagatgtct	gggttctctg	tgccctccag	16740
cagagcaagg	gtgggcaacc	tcagggaagtc	ccctgtattt	gttgtgaagg	gaagccaggg	16800

aagccagaga	agctctcaga	gcacaagggtg	aaggaggaaa	agggaagccc	catgcccttg	16860
tggtgagggc	ctgaagcagc	cccagcttca	acctgggggtc	ttcccacaag	ccacagaagg	16920
gaggccgtat	tgagtcctgg	aaagacccct	ggactgacag	tgtaagacca	ggcacttggtg	16980
ccgcctatca	ctggctagcc	atatagactt	agacaagcca	agtcactggg	ccctggtcta	17040
ccatccgcaa	aacaagggag	ctgaatttta	agatagaaca	acaaaaccaa	ctatggagag	17100
tctcccatte	caaaggccca	gggccaagag	agagcccagt	gccctaaggc	aggcatcccc	17160
aagggtgatg	atggagactc	agctctccca	gaggttagaa	ggaagggaag	ccaaggaaag	17220
aaaagaattc	cacttctgtg	acagggactg	aggccacagt	gcaggcatat	gagctggggg	17280
ggataaggag	ggctggagag	aagagccaac	agcttctaca	cagaggaaag	ggcccccttg	17340
agcttccgtt	tcccttctag	cttctctcta	ttagcagcaa	acgctggcag	actggtcttc	17400
ccagagatgg	cccctaata	gcaaatacaac	cctgggatga	aatgactagg	tgtgcttcta	17460
gcccagcagc	ggggcaggag	tccccaggag	gggctgaggg	agacacttgg	ccagctctcc	17520
attattccca	ccccaccac	acacacacag	ccccaccag	gcggggaagt	aggagagagg	17580
gcctctccca	acgagggggg	cagtgccact	ggtccttctc	acttgacat	ttacaggtat	17640
ctcatagccc	caagttatct	gaccccaatg	agtgcccaacc	accaccagcc	cctccaaccg	17700
ccgatggcaa	aagtcaaagc	acatgggggt	tgggactgtg	acacaccag	agaccaaggg	17760
cccgacaaaa	ggagcagaaa	caaatcaaga	aataaggaga	gatgcagagg	cccaactcag	17820
agggcgagtt	tctggaacac	ctaggggagag	agtaatgtcc	agctggagggt	gtggttgagg	17880
aaacaccaat	agagccaaac	gcatggagggt	gcagccgggc	gtggtggctc	atgcctataa	17940
tcccacttca	ggaggctgag	gcttgaggcc	aggagtttga	gaccagcctg	ggcaacaaag	18000
tgagccgctg	tccctacaaa	aaaagttttt	tttaattcgc	tgggcatggt	ggcgtgtacc	18060
tgtagtccca	gctactcagg	agactgaggc	aggaggatcg	tttgagccca	ggagttcaag	18120
gctgcagtga	gctatgatca	atgtcacagc	accctagctt	agggtgacaga	gcgagaccct	18180
gtctcttaaa	caaacaaaca	aacatgaagg	tgtgaagccc	agaaacagag	ctggaatgca	18240
gaagatcaca	aggcacatag	acacaggggag	aggcggagag	aaaagataac	tggcagtaaa	18300
gggaagacag	ggagacacag	ggtctaggca	agcggtaaga	gggaagtagg	gtggctctga	18360
caaggatggc	accagcacc	tgccatccga	cctgctgctg	tcaagtggag	ataatgtgtc	18420
tgtacgcaa	agagactccc	agccagccag	acagagggtg	gccagacat	cttcccctaa	18480
gggcatggcc	agcgtggcgc	caataggcac	tcaggccctg	gcatttggtc	tggatgggga	18540
ggtgggaggc	cgaggggtgt	gaggtcactg	tctatgagct	gatctttctt	aggtttggtc	18600
atgatcatga	ggaacagtgg	gccagaaagg	actccaagtc	cccagggtac	acagatatca	18660
cctgagagc	ccaggggccat	cttaggactc	cgtgaagggc	ttcttcttct	ctttcatcac	18720
tccagcacc	ttctctttcc	ccgtcttccc	attcctaaca	gaaataccaa	accaccgagc	18780
ccaaggtgct	agactctgaa	aagactcagc	ttgtcccagc	agaatgaaaa	tattcggtcc	18840
ctaccaaggg	ctctctccca	tccctgcgcg	ctgtgctgct	gactcaaaact	aacagggaac	18900
aggactttcc	aagggtctaa	gtctctccca	ggggggcagc	ccaaggcccg	cgctctgttt	18960
cccatatagc	tagtcctttc	tgaagtctca	cctccagccc	tgctgctgca	gtgcagcccc	19020
ttccctgggg	ctctgaggct	caaaaaggat	ggagatgtct	atttcggggg	agggacagta	19080
acaaggcagg	gcctcagggc	cagagccaa	gtctttctgg	gtccactacc	ctctgggagc	19140
agtgaagggtg	ctctgggatg	agggacagat	ggccctgaag	gcagggaagg	tgctgatggt	19200
gacgtctggg	ctccactcgc	ccagagcttc	ctcctagtga	ttcctccctt	ccccattcca	19260
ctggttggtt	tactcgcct	ttctccagtc	ccagactgtg	gggggtggcg	aggcaccagg	19320
aggggggttt	gggtggctgg	ctggctgtca	ttcatggctt	ttcaaaaccc	cagactctcc	19380
ctcgccaccc	tjagttttag	cttcaactatt	ttctcagccc	caggatctgg	gtgtttcagc	19440
agaaaattct	caccaggagc	tgcgggtgagg	gccttgccct	gggctggggg	tagtgttcgc	19500
caggtagaac	cacttctccc	ccagtcacca	ccagcccttc	ccgctcctgc	tcccctgtgg	19560
tggcaccacc	caccttggtt	tccagctttg	cagaagctgg	gggaactjag	agctgagaaa	19620
ggagggaggc	tggtagacag	ttgggggtgtg	caagtjaccc	ctgacccggag	ctgtjggtctc	19680
ggtggggatc	jagacagaga	gtctgtgctg	tggggagagg	aggajctcaa	gctaaggaaa	19740
gagatgcatt	cctctttctc	actcattcat	tcattctgca	aaggjaggca	taccaagatg	19800
tatggaaaac	tagtctatac	cctaaaagggg	ctgtgggtgtt	cctgaggagt	ccccgggaac	19860
cctgttggtg	atatataagt	catcccactt	ggccttagag	aaagggttaa	gggcaggagg	19920

aggctgggac	ctcagaggaa	gagttgggac	agagggaata	atatctcttg	ggatctttat	19980
acaaacagga	gtcctggcct	tagttctgtg	ggtttctct	gtgaattctg	ttcctagacc	20040
accacaatca	cctcacactt	ttacccttac	agccaaataa	ccatgtcctc	taccaggtc	20100
tccggtgtgc	atttgggcgt	cttatcctca	taaagtatat	agcttaaggc	ttgagggcac	20160
tggctgcaga	attacagaga	tctaggttca	aatgccagat	ctgccacttc	tggctgtgtg	20220
accttagtca	agctgtttat	tctctctagg	cctcagtttt	ctcatctgta	agatgaggat	20280
gatactagca	gggcctattt	cacaggggtg	ttgtgatcat	tgaatgaaaa	tgcattgtaa	20340
gcctggcaca	gagtaagaat	tcagccaatg	cttatgtcta	tcattatcct	ttctccttaa	20400
tcagtatcca	ctggagaaaa	aggagagaga	aagaggagag	gaaaaggccc	agctctagat	20460
tgacgaggca	ccaggaggag	atgaggaccc	cggggtttct	ctgtgtgaac	ccattctcta	20520
ccatgatggt	gggggggtgg	tggttctggg	gtttgagagg	agagatcccc	ctgggttgca	20580
gccccctccc	tgtctctacc	acttctcttc	tgtggcatag	ggcacctgga	cagggcccag	20640
ggttggcttc	ctaagctggc	acagggccag	gctctggaag	tactcaaagc	actatcattg	20700
aatctcacag	ctgtgagagg	ctcgattaga	ggaggatgga	ggactttgcc	tctaccgtat	20760
ttccccctcat	aggaggagct	actaggatgc	tcctgggggt	acttcagtct	ctaaagcaat	20820
tcagaggaga	ttcagtttct	ttttctagta	ttgtctcaga	atgaagtctt	agaggtcaca	20880
ctggatggca	gaaaagatgc	aagaatgagc	tcaggaaaaag	atcgccaacc	ccagccccac	20940
tccttggaag	gagcagcctg	gcaaaaaggc	aggaataggg	actaagttct	tgctactcaa	21000
agtataagct	gaagaccagt	aagcttaggc	accaactaag	agctgaccaa	agtgacagaat	21060
cctgagtcct	acctcagatc	cccaggtaat	cctgttttgag	atgcagaaaag	ccatagtcct	21120
tcagtcatta	gatgacttaa	ggagctggcg	ggtgcatttg	ggcatttgte	tctccttttg	21180
gaagatgtgg	aattggagtt	ttcttttgga	gaaagctctc	tctcaggaga	gagctacagt	21240
gagagagctg	caggtgagat	gcaaagatct	ttccaagaca	gcaggcgagg	gtagagttag	21300
ggctgccatg	ggagcagtgg	tgcaggggct	ggttcgagggt	tcctgacctt	tgcttggctc	21360
tagttcctgg	cactggcagg	cccttagatg	gtaagtctct	ggcaggcctg	gctccagggc	21420
aacagtttga	gtaatcctgt	gattactcag	ctccttctcc	ccaatctgag	ttcccaccac	21480
ctgctgcttc	agggacgtgt	ctcccagggg	tagcttttga	aggtgagtta	tcctcagagg	21540
tgttttcagc	tcctctcacc	aacccccaa	tctaccagcc	cccttcccgt	tctccccacc	21600
cccttctcta	caagtaaacac	acacctctat	gtacacagca	ctgggtacttt	ctttctgagg	21660
tttgggtgga	tggcattgaa	gggagtgcag	gtggcagggg	aaggaggggg	gagcaggact	21720
agagggcctg	aagtgtctgag	ggggccatgg	gttgggcaaa	ggccaggata	caagcgtgga	21780
ttttctgtgt	ttcagtgttt	ccgcagccgt	ctctccatcc	ctagatctat	gtctctgttt	21840
ttcctggacc	caaacctctt	ggtctctcca	gctcagttag	gctaggggggt	ctgacattct	21900
agctcagagt	ctttggcctt	gtgtgtctgt	ctcactgggt	acttctgtct	tggactggga	21960
ggatggagga	tgggctgacc	aggtggctgg	agtcacaaggc	tttgggtgtt	cccaaaccat	22020
ggtatttgct	aagggggctc	ttgactggcc	gcattctctc	atgagaagggt	caaggtcttg	22080
gtgacactgt	tgtgagggtc	ctagggccag	gagaagcagt	gggtcaagca	tggggcaggg	22140
agatgtgtct	gggtctacca	tgtggtcagc	acacacacgc	acgcggatgt	ggctcttgga	22200
gaagggaaga	ggcagggagg	cctgtggttg	actgctgggc	cagagcccca	gttcccactg	22260
cggcttggcc	taatctccct	cccgcttact	tttttgggtg	gcccacgttg	gtttctccca	22320
tctctggtct	taggccaact	aaaagagaga	tgccacagtg	ttggaggggg	aggtgttggt	22380
caagaacaga	gtccacaggg	cccgagtgtc	cctctccagcc	ttgccaggcc	cactgggtct	22440
ctcagcctga	cctctgtctc	ggagtaactt	gaatacacag	tgccttccat	gggtgatata	22500
atttcattac	tctctgtttc	ctacaatcac	cccatggaca	ggcaataata	cttttatctc	22560
gatcttgcct	acaagaaaaa	gtaggtctag	agggagaatc	taagtgaata	gaagtatggg	22620
ggccccaaac	ttttctgccc	ctgttccaga	cacccagtgc	cctcttatte	tctcttcccc	22680
tcacatgatt	aaaatctgtc	cttaattttc	tggaaaagaa	ctggaaaact	cacttacccg	22740
ctggctcctg	ggggacccaa	gcttacagtg	tgagcaactg	aagcttctgt	ctgggcaggc	22800
acgtgtggct	gggggttggg	tgaggaattg	agtgtaatgt	aagggaattc	agatacccat	22860
gtgcccgtgc	cccgctcagg	tcagctactg	cctctgaact	acctcaagtc	tggcctgagg	22920
gatgatgggt	taagaatgat	ggaaataata	tttttgggaa	tggcgggcaa	gccatggtct	22980
ccctgcccac	ttcacatcaa	caggccctac	atgtgaccag	tgtccaggcc	agggactgga	23040

ggtgagatca	cagcaatgtg	cattcgccct	ccagagaggg	tgccacttct	tttggccctt	23100
tggtgggaga	cacgtcatag	attaaaaggg	gctttggccc	ttctcttcac	ttttctggcc	23160
tgccccgcc	cagggctccc	cactcagagg	ggaggcagca	ggtcagtgat	ggtggaaaag	23220
agacccatgt	gctctgggaa	atgctaaaaa	cacctacagt	aaccagggat	cccaagcttt	23280
gcccagctac	ctttcaagga	agagctggga	gaaggcctcc	tgtggtccca	tgaagctcag	23340
cagagagtcg	tgggcattga	caggaacagg	gcaaagcaga	gatgagccta	gggccagcag	23400
caaaccacag	gggtagggaa	gcagggtacag	gttacagtga	gttcagtggg	agagagaacc	23460
tggggtccta	gtgccccatg	agcagacact	aacatacaaa	tatgcacgtg	tggacgcagg	23520
agcaaccaga	tatgtcgtag	gctcaciaat	gacacatact	tttcttgcac	atgcacaccc	23580
acaagcacac	cttcaaacat	gcccactgaa	atgtgtaccc	gaaaagacag	gtacacagaa	23640
cagcataatg	gaaagctcag	gggaactggg	atgtagatcc	agctctcagg	caaactagcc	23700
tatgaccttg	gcccacccgc	tttgccctcat	ctggcttagt	ccttcacogg	taaatgaaga	23760
ggttgaatga	gatggtctct	agtctcagcc	atttttaaca	ttgatgatcc	atgttcacac	23820
aaatggatac	agatgccttt	gtacaaacat	aagtgttcac	actcagacac	acggatgtac	23880
acaaagccac	cctctctctg	ctctggggcc	aagagcctaa	gagccctggc	taattctttc	23940
cctaggctct	caggcatcca	gcagagctgg	ggtgttgagg	ccccgtttcc	tgggttctct	24000
cctgccatcc	cctcacccctg	tctctgtata	gcacctccct	gagccttcac	tgtctggctg	24060
ggaaggactg	gcctctctgc	ctatccccc	cccttgtgt	accacatctt	cctgctatac	24120
cctacacttt	gcccattggga	gctgagcccc	agcgaggagg	ggaggcacag	aggaagcccc	24180
ttcggcgagg	agcaggtggt	gtgaggccgt	gaggagtcct	atgtcccaag	gcgggaggga	24240
ggcaactgga	gcttttcaac	tcgaaggjct	gagcaggtgg	ccctcttgca	gctgctttct	24300
ctgcctccat	agcactgata	caactcccgg	ccacctccct	acactccctt	cctctgtgaa	24360
acaaacacag	cttcttcaca	ccctttgctg	agaagcattt	ggcatttcc	ttcccccttc	24420
atthttgcaag	agggaaacag	caagctggag	ctggttggag	aagtagtgga	agcaccagggt	24480
acctgtatct	gcagcccagg	tacatggtgg	ttgaatgcag	aaaagcctcc	tgggctgacc	24540
tacttctctt	tctctcttcc	agcaciaaatt	gaagtgatcc	cttgcaaaat	ctgtggggac	24600
aagtcgtctg	ggatccacta	cggggttatc	acctgtgagg	ggtgcaagggt	gagtcatagg	24660
catgtgtatg	cctgcatgtg	tgcgtgtgca	tacacaagcg	cgcgcgcaca	cacacacaca	24720
cacacacaca	cacacacagt	gtctccttag	agataaacia	gggggttaat	ggcctttgtt	24780
ctgactccag	ggatgatctc	ctgggcagcc	aggaatgtc	ctgagtagcg	ccttccctgca	24840
gggcccctca	cactggcagg	gcccgtctct	aagctgggga	aatgactaca	ggataaattg	24900
caattacaca	aatagatgga	ggagagagaa	aactgacagg	tcgtgggatg	tagaaaagct	24960
gccagagctt	gtgggctgga	ggcctttgtg	agtgagctgg	gctgaccag	gataagcagt	25020
cttgccctcc	acctgctttc	cccagggtct	cttccgcggg	agccagcgct	gtaacgcggc	25080
ctactcctgc	acctgtcagc	agaactgcc	catcgacggc	accagccgaa	accgatgcca	25140
gcactgcggc	ctgcagaaat	gcttggcgct	gggcatgtcc	cgagatgggt	aggccaagtc	25200
gacagccccc	tggggttttc	ctgggtgtct	cagaggggca	gcttggcctg	ctgagctaga	25260
caaggcttaa	cctgcaagac	ggccatccct	ctgggtctct	ctccattctt	ccccgttaca	25320
acctcttgtc	tctcccccct	cagggatgga	tgggtccccc	ccatcaaat	tctttggagt	25380
ccccaaactt	aggctttgtc	agaacaaaa	tctcttttcc	aaggctccat	acctcttcat	25440
ctctctctac	ttggaacgaa	ttctcctcac	tctgtgcctc	tctggcccag	ctcccatgca	25500
gctctgggac	cttccctctg	tacctgtgtg	ttgtagtctt	agctctatct	cctttctata	25560
tccccctatc	ccatacttgg	acacaggact	atagccaggga	atggaaacag	aattggcctg	25620
agaacaacca	gaggggtggc	gtgggggagg	gtggtgttcc	ctgggtgcct	atccacccctc	25680
ctcaccaccc	acctctctac	cagtctccct	gcacacctcc	accacacacg	aaggagccta	25740
gggtggagct	gggggggcat	gaggtgatga	ggagccagaa	ggagcccgct	agcacttttc	25800
agtgcacaaa	ataacaaaag	aaaagggaag	acgcaggggt	gcaaaggggc	aggcgggggc	25860
taggctgtgc	ccttacacct	gggaggggtg	ggggggggag	taaaaaggca	ggaaagagag	25920
agcagaagag	gatgttcaga	aacaagccgc	ggagcccggt	tggggtgtgt	gtgagtatct	25980
aggtcaccag	ggagcctgca	ggcctgacca	cagggagacc	tgtgttctca	gctctctctt	26040
tctctcgacc	ctcccaaaaga	ggcgaggtga	ccccaatata	gcttgaggcc	ctctgtctga	26100
ccacccccag	ccccaaagac	tggaggccag	aatccccagc	ctagactcat	tgtttgaatt	26160

ctgccatgat	tcaaactctga	tttagaactt	agaagatttt	gcttagcaga	ttgaaatggc	26220
agactggaca	gaccccgaa	gcaaacaaga	gtgagaggtg	gacgggggtct	tgagcataag	26280
ttccctaaag	gctagagaag	ctgtgcttgg	agtcagccat	tcagagagca	gcaagttaat	26340
cctttaatga	ccaaatgcct	cctgaccctg	ccctgtgcc	tggtctcctg	cctcataaac	26400
ccctggctcc	tggacctctt	tcagctgtca	agttcggccg	catgtccaag	aagcagaggg	26460
acagcctgca	tgcagaagtg	cagaaacagc	tgcagcagcg	gcaacagcag	caacaggaac	26520
cagtgggtcaa	gacccctcca	gcagggggccc	aaggagcaga	taccctcacc	tacaccttgg	26580
ggctcccaga	cgggcagctg	cccctgggct	cctgcctga	cctgcctgag	gcttctgcct	26640
gtccccctgg	cctcctgaaa	gcctcaggct	ctggggccctc	atattccaac	aacttggcca	26700
aggcagggct	caatggggcc	tcatgccacc	ttgaatacag	ccctgagcgg	ggcaaggctg	26760
agggcagaga	gagcttctat	agcacaggca	gccagctgac	ccctgaccga	tgtggacttc	26820
gttttgagga	acacaggcat	cctgggcttg	gggaactggg	acagggccca	gacagctaag	26880
gcagccccag	tttccgcagc	acaccggagg	cacctatgc	ctccctgaca	gagataggtg	26940
agcagctggg	gaggtggaga	gggtggtaga	gatgagggag	gggtttccac	cagtaccccg	27000
tatcaatcaa	acatgcgctt	gaggggaattg	aggggtccag	acgagggggcg	gagggaggag	27060
gcggagcagg	ataggccagg	ctgagaagtg	cccttgcatg	ggtaggcgta	ggagctggct	27120
gagatcaagc	catgccttcc	ttctccggcc	ccagagcaac	tggtgcagag	cgtctgcaag	27180
tcctacaggg	agacatgcca	gctgcggctg	gaggacctgc	tgccgcagcg	ctccaacatc	27240
ttctcccggg	aggaagtga	tggctaccag	aggaaggtga	ggccaggaga	cctgcaggaa	27300
gggaacgtat	cccaccccca	ccgggagagt	tcagagatgg	ctacctgcgc	acgactgggt	27360
cctggggcag	ggcgggacat	cacagacaca	ggctggccaa	caagcatgtg	cacacctttt	27420
atgtacagtt	gcgaatgtgt	gtatctgtct	acaccccagc	agatggatga	gcgcttttcc	27480
ttagtctctg	cctattaaaa	ttgtacctgg	ccttcactct	acctcctcta	ccatgcagac	27540
cttgggtgcac	cctccttctt	cctcttccat	caacaataac	aataatcaga	acctgatta	27600
ccatttggtta	aacacccctt	ctctgccagg	cattgtgcta	aacgctttat	gtaaattatc	27660
ctcagccctt	accacaacca	acctatgagg	gtggcattta	ttcctacttt	taacagacag	27720
aaactgagcc	tagaggggtt	aataggtttc	ctcaaagtca	caaagtgggtg	gaaccaaaagt	27780
caaattcaga	ttcatcaggc	tccaaagttt	atgctgcctt	ttcgatcaca	ctctcatacc	27840
acctgctcta	aacacactcg	tttggcactt	cacatttgct	tctccagggtt	attgagacct	27900
tgggcataac	ctttgtgggg	gaaggggcag	ctgtatgtcc	tgttcacctc	aacgagatat	27960
accttggttg	agggcaaagc	tgtatctcat	acttttttgg	ttccctcaca	acagctaact	28020
cgggtgtcagc	agccggtagg	tgtcagtggt	gtgggaactca	ctggcaggaa	tctgtgcatt	28080
tgtgctaaga	ccaggctttt	gaaaatgcta	gttgagaaca	taggagttca	gagcctaacc	28140
cttgagtttt	attaggtggg	gctccagggc	tcaggaggat	cacagggcca	cacagagcgc	28200
tacagcggga	ccctcctccc	tccttgcagt	ccatgtggga	gatgtgggaa	cgggtgtgccc	28260
accacctcac	cgaggccatt	cagtacgtgg	tggagttcgc	caagaggctc	tcaggcttta	28320
tggagctctg	ccagaatgac	cagattgtgc	ttctcaaagc	aggtgcccag	ggatgggtgg	28380
gcaggcctgg	ggacaagggg	acagagccaa	gtggagggag	gtggcttaag	gaaatcaggg	28440
ggacagagtc	agatcctggc	tttgcttgac	actgtccctg	catcttctct	ccccactgac	28500
caggagcaat	ggaagtgggtg	ctggttaggga	tgtgcggggc	ctacaatgct	gacaacccga	28560
cggctctttt	tgaaggcaaa	tacgggtggca	tggagctggt	ccgagccttg	ggtgaggggg	28620
aggga-jaaat	gagagggaag	attctgatgc	caaccccagg	caaagctttg	tgacccaggg	28680
cacctctctt	tcaggggcgaa	ttgccccttc	tgtcttaaac	acaataaggg	cgggtgtccctc	28740
gggcaccatc	gctccagcca	ctctctcaat	tttctcattt	ccactccatc	aggctgcagc	28800
gagctcatca	gctccatctt	tgaattctcc	cactccctaa	gtgccttgca	cttttccagag	28860
gatgagattg	ccctctacac	agcccttggt	ctcatcaatg	cccgtagagt	ttgtgtgggt	28920
tgggtjaagg	acattccaggt	ggcaggggca	tggcagatat	tgaagaagag	tctagacctt	28980
cagatgtagt	taaatctggg	aaattgcttt	aaatagcaga	atgagcccta	ctcagtattg	29040
ctataaaaata	aaatgagtta	aaataaagat	tcagaggact	ctcagagagg	gacaagagca	29100
gcataagggtg	gggttggtggg	aagtggggag	aaatgaggtt	gagaggaaat	gagccacttt	29160
cctgacagaa	atgtgtctga	ttgttagtgt	atggcagtgga	tttcattgta	gcacacatca	29220
gaatcacctg	gggagcttta	aaaactattg	ctgcctgggt	cccacttcca	gagattccag	29280

tgtacatgtg	ctccatgact	tatgatgggg	ttatgtccca	ataaacctat	cgtaagttga	29340
aaatatggta	agttgaaatt	gcattttaaca	cgcctaactt	actgaacacc	atagcttagc	29400
ctagcctacc	ttaaatgtgc	tcagaatgct	tacattagcc	tacagtctgg	caaaagcata	29460
taacacaaag	cctattttat	aataaagtgt	tgaatagctc	atgtaattta	ttgaatatgg	29520
ttctaaaagt	gaacagcagg	atggttgcat	gggtattcaa	agtatggttt	ctactgaatg	29580
caagtggctt	tctcaccaac	ataaaatcaa	aaaatagtaa	gtcaactcat	cataagactg	29640
ggaccatctg	taattgataa	ggggtgcact	gaatttttaac	agccaccccc	aggccacca	29700
gattaagaat	cactgctctg	tgtgaactaa	ttttaaggct	gtatgcctat	aataggaaga	29760
ctctggatat	cctatccact	cccctggcat	ggagtagctg	ggctgagcca	gatgaatact	29820
aaatattcag	agaacctagg	gaagtgggtc	aagctgctaa	cctgagtttg	cagatcgaga	29880
ctatcagctc	tctggctctg	ccagtgaagt	gacacctaaa	tatgccttcc	aaactagaag	29940
ataaaaaactt	taaagatgac	ttctggatat	tttatagaat	cagggcaaaa	gttagtcaca	30000
gattgctgca	agccccctgg	tgcaggcctg	ggcaccttca	ggaaggccac	ctcctatcag	30060
gagccctttt	cgtacatggg	ggagctcttt	tccaactctt	gttaccctta	tgacagaatc	30120
ctagtgccta	gcattgaaat	agctatgtgg	aatatcaggt	taccagggag	aaggtagctt	30180
ggagtcagga	gatcagaaat	tctcatacct	ttcatctctt	cccagttttc	cttgtagaca	30240
gctagccaag	cccaacgtcc	agagcttaac	attatcaaac	caaggcacac	acatgcacgc	30300
gctcagctta	gaagacctct	atccagcaca	gatgtccaca	aagatacacc	cttttgttgg	30360
gagttaatgt	ccatgttctt	tcttgttctc	attacggtcc	cacccccctc	tccagatcgg	30420
ccagggctcc	aagagaaaag	gaaagtagaa	cagctgcagt	acaatctgga	gctggccttt	30480
catcatcatc	tctgcaagac	tcctcgccaa	agcatcctgg	caaaggtagg	agcagtcctt	30540
ggggtagaag	aggccaggcc	catcgctagc	tctgtaacat	cagagtttgc	gagggccggg	30600
gtctgtgggt	acagaggagg	gagtgcggga	gtaccactct	ctgttagaga	gcttgcacaa	30660
gcagtgggaa	ctaagggaat	gaacagctac	ttccacgtgc	ataaagactg	gaaagttaga	30720
gggcctggga	ttgggaggga	cctccaggga	acaattcagt	ttaatatagc	cagcacttac	30780
ccagcacctg	cttgtacaag	gcactgtgga	aagacacaga	gatttggtcg	ctgccccca	30840
caagagattt	taatctggta	tgaagaagag	atctgtgtat	cactaaactct	aacatagagt	30900
agaatgtggt	atgtgatata	ataataatgc	aattaacaga	gtgcttttgc	tgacatgctt	30960
tctcatctct	atggcaaccc	agtcaatagg	acaggtgttc	aaatctccct	gtgtagcagc	31020
cgggcacagt	ggctcacgcc	tgtaatccca	acactttggg	aggccaaggc	gggtggatca	31080
cctgaggtca	ggagttcgag	accagcctga	ctaacatggt	gaaaccccat	ctctactaaa	31140
aataaaaaaa	attagccagg	catggtggca	ggcgctgtga	gaccacagct	cttgggaggc	31200
tgaggcagga	taatcgcttg	aaaccgggag	gcagatgttg	cagtgaagca	agattgtgcc	31260
attgcactcc	agcctgggca	acaagagcaa	actctgtctc	aaaaaaaaaa	aaaaaaaaaa	31320
tctccttgta	gctatcagga	gacttcagtg	acttaaatgc	aagattgaat	cccagtgctc	31380
tttgcgctct	ttctatccct	gtgtccctta	tgtataacta	taataagtga	caccaggaaa	31440
atgttatgag	agtataaaac	agggattaaa	aataattttg	gggtaaaagg	agtgggtcat	31500
aaatacttcc	cagggaagat	gacatttata	ctaggccatg	aatgatgtaa	gattttaaca	31560
ggcattcatg	ggggtggggc	aggcattcca	ggcttaggga	acaataggag	caaaacaaaa	31620
aaaatgaaaa	aaaatccctt	tcttgaggtt	taaccaaaaa	aatggatgag	atgagtatga	31680
gaggctgggg	ataattgttt	tatgggattt	gggtgtggga	ctagggtaca	atgaagacca	31740
agaacaacag	gagaaaaata	aggaggcaaa	atagtgtgta	tgtggagaat	cactcatggt	31800
acatcctcac	taaagtgtaa	aatcaggagc	tgggatagac	tgttggggca	gaagagcacc	31860
agatgatcag	cctgaaaatt	aggtcagggg	caaatcagag	aggactttca	atggcatata	31920
agagttaaag	ctttattttct	aggccacagg	gagctccaaa	ggctagaaaa	atgacacaa	31980
cagagctgtc	atttaggcba	tttacttttg	aaccagtata	aaggaaacct	ttatgttaatt	32040
attcaagcag	gcctttgtca	tgtgcacagg	acagggctgg	gtgttaaggja	tacagcaatg	32100
acttacacgg	tctgtgtctc	caagaacttg	aactttaatc	tgtacagga	tggatttgaa	32160
ggaggagaga	caggaaatctg	ggagagcaat	tggaaaagcaa	atccggttgg	atctgctttc	32220
aaaatacatc	accttcccta	ctattaacca	caccctggcc	cctaccagct	ctcagctttc	32280
acttggactt	taagagaggc	ctcctaactg	agccctgttt	ccacctcat	ctgcccgtga	32340
gcaaccacac	ctactccgca	cccaggttag	ccctttttaa	aatgcaatct	catcatgccc	32400

tactcctgtg	gtttttttct	tgtttttgtt	gttggttgtt	gtttgttctg	tttgtttgtt	32460
ttgaggcaga	cttgctctgt	cgcccaggct	ggagtgcagt	ggtgtgatct	cggtcactg	32520
caacctccac	ctcccagggt	caagcgattg	tccctgectca	gcctcctgag	tagcttggat	32580
tacagggatt	acacgcccgg	ctaatttttg	tatttttagt	agagacaggg	tttcaccatg	32640
ttggccagge	tgggtctcgaa	ctcctgacct	caggtgatct	gcccaccttg	gcctcccaaa	32700
gtgttgggat	tacaggcgtg	aaccaccaca	cctggccttg	actcctgttc	tcagccctcc	32760
tgtagctgcc	tgtgatgccg	agaatcaaat	ctagagtctg	cgtcatggtc	aagtggctca	32820
taacatgate	cctgccttct	tttctcactt	gatcttccac	tgccccttca	aacacccatt	32880
gcagccacac	ttgcttcctt	gctatttctc	gaacacatca	aaccagtcg	cagggttttt	32940
gtacctgcta	ttgtagtcac	ctggagggtt	cttccccag	ttttccaaat	ggcttaccct	33000
atctcttcat	tggggagagg	tttttccctga	ccagtaacct	catacaaaaa	gctttagttt	33060
tctttaaaga	acttattatc	tgatacacta	catatttatt	ttctgggccc	ctcaccagaa	33120
tgtaaattta	atcaagggtac	agattatact	ttattgactg	atatactctga	tatatcacta	33180
gaggccatca	cagtgcctag	ctcagatcca	gatgtgttct	caacaaatat	ttgttgaatg	33240
aatgaaggaa	gctattgccca	tagcccaaaa	aagctcagaa	taaagcagtg	gtgaggaaga	33300
gagagaatct	aggagatatg	aagggatcac	accctgctgc	ctgcttttct	ctgactgcct	33360
ctttccaagg	aaactaagct	gggggagggg	ggcaatggca	ggcaagagac	atttttaagc	33420
ctcttggttg	tagaggagac	tgcaagagat	aaattgttct	ttcagccttg	ctccagttag	33480
gtctccctgc	ctccgtctgc	tcactgggtt	ctgtgccttt	ttcatctccc	ctttggctga	33540
gtgctggcag	cattggtttg	ctacttgcat	tgttaggtgc	ctgcttagaa	agtctgttta	33600
gttcaaagag	ttattaagca	tgtgccatgt	gctaagcatt	atgataggta	cagaggagac	33660
agggaaagag	agacctcagc	caaggagctg	aaatctaggg	tgggaaggca	gacaaatttg	33720
accattttcc	tgcaatgtag	taagtgcctc	acagaggaaa	gccccaaaaga	agggccctta	33780
atccagatgg	gaggcagtta	gggaaatagt	cttagggagag	gtgacactag	agggtaagga	33840
ttagtaatgg	gaagagggga	acaacatgca	caaaggcaga	ggcatgtgac	agcatacaac	33900
aagagtcaca	gacaatcact	cttataaaaag	caggaagtgc	acattagagt	ctttgacaag	33960
gttcattcta	gaagtatttg	gaacataaat	tgagggtctc	acccagaaaa	cattcacctg	34020
tgccccaccc	actctcactt	cctccagtg	tccctgaacac	acacgtactt	ctaccagtgg	34080
gatttggtctg	gtgccaaaagt	gccaagtaca	taagggggaag	gcaaggaggg	tttgtccctag	34140
cccaggaaga	ataagcggac	ttctttgtct	tgaggagagc	tgaagtattg	accctccctt	34200
cccattaac	ccatatccag	ctgccaccca	aggggaagct	tggagacctg	tgtagccagc	34260
atgtggaaag	gctgcagatc	ttccagcacc	tccaccccat	cgtggtccaa	gocgttttcc	34320
ctccactcta	caaggagctc	ttcagcactg	aaaccgagtc	acctgtgggg	ctgtccaagt	34380
gacctggaag	agggactcct	tgcctctccc	tatggcctgc	tggcccacct	ccttggaacc	34440
cgttccaccc	tcaccttttt	cctttcccat	gaaccttgga	gggttggtccc	caccagctct	34500
ttggaagtga	gcagatgctg	cggctgggtt	tctgtccagca	ggccggcctg	gpagtgggac	34560
aatcgccaga	gggtggggct	ggcagaacac	catctccagc	ctcagctttg	acctgtctca	34620
tttcccatat	tccttcacac	ccagcttctg	gaaggcatgg	ggtggctggg	atttaaggac	34680
ttctggggga	ccaagacatc	ctcaagaaaa	caggggcatc	cagggtctcc	tggatgaata	34740
gaatgcaatt	cattcagaag	ctcagaagct	aagaataagc	ctttgaaata	cctcattgca	34800
tttccctttg	ggttcgggt	tggggagatg	gatcaagctc	agagactggc	agttagagac	34860
cagaaggacc	tgtataaaat	gaatctggag	ctttacattt	tctgctctctg	ccttccctcc	34920
agctcagcaa	ggaagtattt	gggcacccctc	ccttttacct	gggtctctaac	caaaaatgga	34980
tgggatgagg	atgagaggct	ggagataaat	gttttatggg	atttgggtgt	gggactaggg	35040
tacaatgaag	gccaagagca	tctcagacat	agagttaaaa	ctcaaacctc	ttatgtgcac	35100
tttaaagata	gacttttaggg	gctggcacaa	atctgatcag	agacacatat	ccatacacag	35160
gtgaaacaca	tacagactca	acagcaatca	tgcagtccca	gagacacatg	aaacctgacac	35220
aatctctctt	atccttgagg	ccacagcttg	gaggagccta	gaggcctcag	gggaaaagtcc	35280
caatcctgag	ggacctctcc	aaacatttcc	atggtgctcc	agtcactga	tcttgggtct	35340
ggggtgatcc	aaataccacc	ccagctccag	ctgtctctca	ccactagaag	acccaagaga	35400
agcagaagtc	gctcgcactg	gtcagtcgga	aggcaagatc	agatcctgga	ggactttctc	35460
ggcctgcccg	ccagccctgc	tcttgttgtg	gagaagggaag	cagatgtgat	cacatcacc	35520

cgtcattggg	caccgctgac	tccagcatgg	aggacaccag	ggagcagggc	ctgggcctgt	35580
ttccccagct	gtgatcttgc	ccagaacctc	tcttggcttc	ataaacagct	gtgaaccttc	35640
ccctgagggg	ttaacagcaa	tgatgggcag	tcgtggagtt	gggggggttg	ggggtgggat	35700
tgtgtcctct	aaggggacgg	gttcattctga	gtaaacataa	accccaactt	gtgccattct	35760
ttataaaatg	attttaaagg	caagaagtgt	gtgtgtcaga	gggtggggga	gattcttaaa	35820
ttagattacc	tgcatgcctg	ctctccagtc	tcattcctgg	gtcaagactc	aggtttccag	35880
ctcagcaatc	catcagcatt	atacagatcc	aaccaccctt	caccgcaccc	ctgcagtttc	35940
tccccaggtg	gagcagtcct	tcagttagga	ctgtgaacga	atcttcagga	acccccactg	36000
taggagcctc	aaactgagcc	ccacgggaga	tgctctagac	tgagaacttc	ccataaatga	36060
taccacaggg	gaacgtttag	atttagaggt	tgacagaaat	tgctccacat	ctgggagacc	36120
aaaagacagt	cctctggaag	gtggctggcc	caagctcccc	agtgggggaa	tcaggatgtc	36180
agagagatcc	tctagaacct	gctgttcttg	ctattgcatg	acccctccct	ggcaccagag	36240
cctccctcct	ggctccctcc	cctgtcactt	gccagcctgt	agtgggtgctt	gctgcagccc	36300
tccctgggtg	ctttatattat	ttattttgca	ccaacagggt	tgctgcagac	tcattctttgc	36360
ctggttttaa	aagagagaga	gagagagagg	aaaaaaaaaa	aggagaaatg	ctttctggct	36420
cttttctcca	cctcagtcct	ggcagcagcg	gccgcagcag	caacagcagc	agcagcagcg	36480
gcaggcagca	gccgggcagc	caggcagcgg	gggttgaggc	acacagggaa	ggtgcagggg	36540
cctgaggtgc	agctcgaatg	ggacagggcc	cccagcgtcg	gacagatgca	gtgccaaact	36600
tgatgccacc	ttccagcttc	tccggttaagt	gccccactc	tctgtcccaa	agatgcagcc	36660
gcccttttcc	ataacattct	ccgagacagg	ccagactagg	ggccagacag	gcccttcaag	36720
gcaagagggg	ttgggcccc	acactgctaa	caattaatcc	tgcccccatg	ggacttttag	36780
ggggaaaactc	aaatatccca	agtacccctg	ggtggaaggg	ctccaaggag	acctcccttc	36840
catctcccca	gtgcttcccc	ttctcttgga	agggtttttc	tcacaatcg	gtgtggatct	36900
tcagaaaatc	tttccccag	gaacctctc	cccacacagt	tcctatttgt	cagtcagggtg	36960
tgctttaaag	aggatacagg	ataccaggtt	tcaaaagtgt	ctctggactg	ccacataaag	37020
acaagaaaaa	ggctccctac	ccttgagggg	tgatgccttc	aagggtcatg	tcttgggtgat	37080
gtccccaccc	cactgaaggg	acaaaaaagt	ggttctgaca	tctcgcttcc	tgcaaagtgg	37140
ccggaagccg	gtcctgcagc	catggaggtt	ggcaagggaa	atltgtgatt	aaattagcca	37200
ccttagaaat	aaaataggtt	gctccagctc	cctcagcccc	tgcccagcgg	gactcagggg	37260
aaactcacag	gagcaggaag	gaagaaagct	gggttacatg	cttcaactga	cttttgctga	37320
atgcagagcg	aggatgggca	ggaactgcag	cagtatgtat	gaagagctag	ctgtcagggtg	37380
gacttccacg	aacaagccta	gggagaacaa	gggaggctgg	gccatctttc	ccgggagagc	37440
tctgggcctg	ccacagagac	ctgttaggtc	agtltggggc	gagaagagtc	tgctctgcag	37500
tctttgcccc	acgttattct	ttttcatccc	caagcctcac	accagttttc	tgcatccctc	37560
tgctcttttg	gcctctttct	ttagtltccc	aactaggaca	atctcttcaa	gtggctgtag	37620
gatagccact	agaatgatcc	ttctaggagg	tgagagtggt	gaaggaaaag	ggaagaaatg	37680
accatctctt	aaactgcctc	tcttaagttc	cacatgagaa	aaaacagggc	atgtagttag	37740
aagctgaccc	tgtagagccc	agagagcctg	aagcccacaa	gcccacaggt	gatcaggatt	37800
gpcgtcagc	agagactcag	acgcgtgtga	tcccagagag	catccatggg	cttttgctcc	37860
tatctctgtg	gccatccctt	gccaatccca	gtacttccct	tgctttgggg	tcctgtttga	37920
catctaaacg	gatgagtcag	gggccctcat	caoctagagg	gccccttctc	ctctgtccac	37980
tcagccattg	tagtcaccat	cttccctgagg	gttcccgga	cctggtaacc	agaaaactga	38040
tataagtcta	caggctctgc	acactgtctg	tgcccagata	cctgctgtgc	cagccaacag	38100
ctcccttctt	cccaccccta	cagcaattgg	tcagatgctg	tctctcctca	cttatctatg	38160
ctccctggtc	cacaatctgt	ctcttgggaa	ttctctcagg	agctcaggcc	aaaagggaca	38220
agagctctcc	ctcagatcca	cacactggac	cagaatccaa	acaccattaa	ggagggtatat	38280
gagggaagcc	caagactgaa	gaccaagcaa	cagaactcaa	aacctgggca	tcctttgggt	38340
ctctccacaa	cccacacttc	aattgcagta	gagaagcagt	tgcccctggg	ctcttgcagg	38400
ggattccacg	cttcccagtc	aagtgcctcc	tgcatcttat	gpcacagcta	atgtacagct	38460
tgccagttgt	ccacacaggc	atlttggggg	gattggtatc	tgttagtcca	gggctcaggg	38520
cctgggcccag	gctggaagag	ggctcagcat	gggggtggag	ctgaggcctg	catgtttccc	38580
agccttgggt	gagctagtca	aggtgaggac	ctctccagtc	aggacaggga	actctgggcc	38640

aaggacatga	tctccctgag	ccttaagcaa	aactatgggt	acataatgtg	aaagaataag	38700
cgtgagcaga	gagggacaga	gcagagcttg	ggaagagcag	gtatcagggg	gaagggacct	38760
gagatcctcc	tggatctcac	agacatcagg	aaaccccata	cagaaagact	cagtacctcc	38820
ctgctgttcc	ctgccccatt	cccataagct	ttttcccccac	agaaatcagg	cttggctagg	38880
gttccatgag	ccagtaagca	cttggctggt	tatccagggc	tggaagaggg	aggaaagcag	38940
agattcccca	aagagaagct	ccaggaagcc	ccagggaggt	ggcacacaag	aattcttcc	39000
ggttctgtgc	cctacttatt	ggcaatgctg	agacagatag	accaattttct	ctcctctcta	39060
agaagggcca	ggaagtccag	ggtcaccgtc	atctgaagcc	actttccaaa	aagggccatg	39120
tcacatctta	ttccaggact	gaagagggaa	tggatgcagc	cacagctcca	aagcaagcct	39180
ggcccccatg	gcccccgctc	cttttccctcc	tctccttacc	tggagggagc	ggtggcagct	39240
gccctgctgt	gtgtgactgc	acctcccagc	cccaggctgt	gctctgtggc	cacaggcaac	39300
tggaggtctg	acctggagga	ctcccactgg	acactgagct	cctggacctg	agtgggaacc	39360
gcctgtgggg	gctccagcag	ggaatgctct	cccgctgag	cctgctccag	gaattggacc	39420
tcagctacaa	ccagctctca	acccttgagc	ctggggcctt	ccatggccta	caaagcctac	39480
tcacctgag	gctgcagggc	aatcggctca	gaatcatggg	gcctggggtc	ttctcaggcc	39540
tctctgctct	gacctgctg	gacctccgcc	tcaaccagat	tgttctcttc	ctagatggag	39600
cttttgggga	gctaggcagc	ctccagaagc	tggagggttg	gjacaaccac	ctggtatttg	39660
tggctccggg	ggcctttgca	gggctagcca	agttgagcac	cctcaccctg	gagcgtgca	39720
acctcagcac	agtgcctggc	ctagcccttg	ccgctctccc	ggcactagtg	gccctaaggc	39780
ttagagaact	ggatattggg	aggtcgccag	ctggggccct	gogggggctg	gggcagctca	39840
aggagctgga	gatccacctc	tggccatctc	tggaggtctt	ggacctggg	agcctggttg	39900
ggctcaatct	cagcagcctg	gccatcactc	gctgcaatct	gagctcgggt	cccttccaag	39960
cactgtacca	cctcagcttc	ctcagggtcc	tggatctgtc	ccagaatccc	atctcagcca	40020
tcccagcccc	aaggctcagc	cccctgggtg	ggctccagga	gtacgcctg	tcaggggcat	40080
gcctcacctc	cattgctgcc	catgccttcc	atggcttgac	tgccttccac	ctcctggatg	40140
tggcagataa	cgcccttcag	acactagagg	aaacagcttt	cccttctcca	gacaaaactgg	40200
tcaccttgag	gctgtctggc	aaaccccctaa	cctgtgactg	ccgcctcttc	tggctgctcc	40260
ggctccggcc	ccacctggac	tttggcatgt	ccccccctgc	ctgtgctggc	ccccatcatg	40320
tccaggggaa	gagcctgaag	gagttttcag	acatcctgcc	tccagggcac	ttcacctgca	40380
aaccagccct	gatccgaaag	tgggggcctc	gatgggtcat	tgcagaggag	ggcgggcatg	40440
cggtttttct	ctgctctgga	gatggagacc	cagcccccac	tgtctcctgg	atgaggcctc	40500
atggggcttg	gctgggcagg	gctgggagag	taagggctct	agaggatggg	acactggaga	40560
tccgctcagt	gcagctacgg	gacagagggg	cctatgtctg	tgtggttagc	aatgtcgtctg	40620
ggaatgactc	cctgaggacc	tggctggaag	tcctccaggt	ggaaccacca	aacggcacac	40680
tttctgaccc	caacatcacc	gtgccagggg	tcccagggcc	ttttttcttg	gatagcagag	40740
gtgtggccat	ggtgctggca	gtcggcttcc	tccccttctc	caacctcagt	acctctgtct	40800
ttggcctgat	tgccttttgg	agcaagggca	aaggtcgggt	caaacatcac	atgacctttg	40860
aatttgtggc	acctcggccc	tctggggata	aaaactctgg	gggtaacogg	gtcactgcca	40920
agctctttctg	accttttctt	cccagtgagg	gaacccacca	agtcogcttc	agataccaaa	40980
ggggaagaca	gaaccaaggc	tgcctgaacc	agaacctagt	cccgagcagc	acogctctcc	41040
tgcacctccc	gcctgcgttg	tgcctcctgc	cggagagtct	gcttctctgag	cttttccggg	41100
ctgaggatag	cattgtcatt	tcttctctga	gggtcccagg	gagctgcaga	tgcagacccc	41160
gtcgttagtc	cagccccccg	ttcaccacct	ccacacacaa	aacaggaaac	ataatcaaag	41220
cgctagtcag	ctagtctaac	cactaggctt	tcttcacaca	tjcttatatc	ctttaataac	41280
caattgocaa	ccagggtat	aagattattt	cagaggtggg	gctgggaagt	gocacttgct	41340
ccttagagtc	tgtttgtcaa	ccaggcagag	tccctttctt	ttctgtctcc	caccccaacc	41400
ctgcacctat	gtacaggaat	aagagcaag	gaacccacag	ctacagagaa	gaggatgggg	41460
acagagtgtg	ggtcggagag	gacagacct	atactgacct	gtgtttgcat	gagcctctac	41520
caacttctct	tatctaccag	atcattaaac	ctgtctgtcaa	agggccacaa	cagtagcagc	41580
caaaaactaaa	tgtcatctct	ggagttttct	ttacttcagt	ctatttctta	ccctcatttc	41640
tgttatatct	cccagctccc	ttctctttct	gcttgcccat	tjattatgtg	tcccattggc	41700
attgcctcca	tctaacctgc	ctgacaaaac	gggtaaggag	tjccctctcc	accttcactt	41760

tectcaccgc	cctgcacccc	cacctccatg	cccggaggga	tcagcactcc	tagccccggt	41820
ttcagcctca	atcctttccc	tttcactccc	catccctgga	actggagaag	gagcgatcct	41880
ctaccttcca	ggggacccct	acatagaaat	tccacctggg	acacccagtt	gctgcctctc	41940
tttcccattt	ctccatggga	gctcctcatc	atttttgcgt	cacagatccc	tagtgccttt	42000
ggggaaaact	cagaactcca	agataatgac	taacaaacac	aagaatccgc	agttgtcaaa	42060
ggagagagac	ccaggacact	gcagagacta	ggcttggagg	aacagggagg	agggcacagc	42120
aggctgtagt	gagaagtggg	gggaaggggg	aacagcagta	actgcctgcc	tagttaattt	42180
ccaccatcct	tctgcagctt	cctctggttc	tgtgcttagt	gcagccccag	tgggaagctg	42240
tctccgggta	gaggtcactg	atttacagag	acccccagat	ggggagggtg	agtaggaggt	42300
gaaactgctg	agtaccactg	actgtgcttc	aaatagaggg	caaagcagag	cccaaaaaga	42360
agtagagatg	ctggaagctc	aaggaacaga	gcaacagcct	cagcatcact	ggaagggagg	42420
agtgacaggg	agaggagagg	agtcggagga	gggactgaga	agggaagaat	cacgtggccc	42480
tagggagcct	ttctgcgcag	tagcatctac	ccagcgtcct	tagtttctct	ccaccacccc	42540
ctacacccaaa	ccagatgcaa	gcattgtgag	ctttctagtt	gattcctgct	gctgttgtcc	42600
ttgctctgag	gagactccac	tcattagaag	attcccagct	caaactgccc	gacagatgag	42660
acgctcagag	ccactgagga	ggtgaagctg	gacttcacag	gcaggccgct	ctttagtggg	42720
gcagagatag	gaatatgggg	gtagtaccag	aggtgaatgt	gagaaccagg	cagacaggag	42780
agtggggctg	gagaaactga	cctgcttgag	aaacgagttt	ccctgagcct	gcaacctccc	42840
caccacccat	gcacacacaa	ctcaatcagc	atcccagcaa	cttccccttc	tttagtgtat	42900
aatgtaccag	acagatttcc	tggggcacag	ccctcccgtc	cctttccata	accttccacc	42960
agcagcttat	taggttggga	cttgggagtc	agacgtgaa	ggttctcact	ctagttgccc	43020
tctctgcaat	gcggaagcag	caatgctggt	cagagaaatc	ttctctggga	agccccagac	43080
gctctgggga	acagatgact	gtctggtgct	gggacatgct	gctgcccagg	gtctctgaag	43140
tctcaaagtc	tccagagcag	agctacccaa	cagacacaga	atctaagtca	cacatgtaat	43200
ttcaaatttt	ctagtagcta	ctaaattaaa	aaatcaaaat	gaaacggata	catttaaata	43260
cttactttat	ttaacccaat	atacccaaac	tattatcatt	tcaatatatt	atcaatataa	43320
aaatcaatca	taaaatattt	aacatttttt	catattaggt	ctttaaaate	cagtgtatat	43380
tttaccttta	cagtacatct	caacatcgca	attcagttac	taaattttca	ccagaaaaat	43440
ctatatttca	tacaggtcac	tggtgagaaa	gtggattcac	acatctaagt	tttttcaaac	43500
ataaaacatt	ttccaataac	tgaatcgaat	ctctgtctta	aatttttaaat	taaacaaatt	43560
taaaattcca	ttcctcagct	gtaccaccta	cctttacaag	cattcaatag	ccacatgtgg	43620
ccaatggcta	ccatattgga	cagcaaagct	tcagacattg	caacctggcg	tatagactaa	43680
ggtctccttg	gcagtgggtg	gtggacaaaag	tatccctcaa	gaaacacatt	taatctcaag	43740
gaaatgccta	tggagttagt	cccaccacag	ccccttagtc	tcctttcaca	gctttaccag	43800
aacacttttg	aggggtgaag	cccattcagg	aaacaagctt	actatgatga	gcacttccac	43860
agcttgctca	agcgttagca	tgcacgtccc	tcattcttacc	tgtcggggaag	actgcctcca	43920
gctcagctgt	gatggcacag	gctgctgtgt	gtgtgctgat	gagtgtgcaa	atgcagccaa	43980
ggacatgagt	gggtggtgtg	tatgcagaag	ttttgtggcc	catgtgcagg	gatgtatggt	44040
accacatcat	ggggacaatc	taatggaggc	tctgcccagg	gtgggacagc	agttcaaaaga	44100
gaagaaaata	acattttattg	agggcctatt	ctatgtcagt	ggctttatat	atattttctt	44160
atttaatect	tacatcaacc	ctataaagta	gggaggcacc	ttagctgggtg	aaactaaagg	44220
tcaaagagag	taagtgtcca	agtgcacaga	gctagttagt	aaatagtaac	tagctatttg	44280
agctcatggc	tgtctgattg	aaaactcccc	ctttccacca	cactgacacc	ctcactgcca	44340
tgccctcagc	gctctctctc	ccagggcctt	tcagttgcag	gacacgacct	gtaagaaagg	44400
agaaatcttc	caatgcates	actctgaact	ttcagtgagg	actgggctaa	gttattggtc	44460
cttacattct	tcattaactc	taatgcacct	gattcaggat	gttgggggtt	ttctttgttt	44520
ttactctttc	ttctcagtec	cctctcccaa	tgtccttaca	gcctctgect	cagggac	44577

<210> 5
<211> 1819

<212> DNA

<213> Homo sapiens

<400> 5

```
ccccctgggcc ctgctccctg cctcctctggg cagccagggc agccaggacg gcaccaaggg 60
agctgccccca tggacagggc cccacagaga cagcaccgag cctcacggga gctgctggct 120
gcaaagaaga cccacacctc acaaattgaa gtgatccctt gcaaaatctg tggggacaag 180
tcgtctggga tccactacgg ggttatcacc tgtgaggggt gcaagggtt cttccgccgg 240
agccagcgct gtaacgcggc ctactcctgc acccgtcagc agaactgcc catcgaccgc 300
accagccgaa accgatgcc aactgcgc ctgcagaaat gcctggcgct ggggatgtcc 360
cgagatgctg tcaagtccgg ccgcatgtcc aagaagcaga gggacagcct gcatgcagaa 420
gtgcagaaac agctgcagca gcggcaacag cagcaacagg aaccagtggg caagaccctt 480
ccagcagggg cccaaggagc agataccctc acctacacct tggggctccc agacgggcag 540
ctgcccctgg gctcctcgcc tgacctgctt gaggcttctg cctgtccccc tggcctcctg 600
aaagcctcag gctctggggc ctcatattcc aacaacttgg ccaaggcagg gctcaatggg 660
gcctcatgcc accttgaata cagccctgag cggggcaagg ctgagggcag agagagcttc 720
tatagcacag gcagccagct gaccctgac cgatgtggac ttctgtttga ggaacacagg 780
catcctgggc ttggggaaat gggacagggc ccagacagct acggcagccc cagtttccgc 840
agcacaccgg aggcacccta tgccctccctg acagagatag agcacctggg gcagagcgte 900
tgcaagtcct acagggagac atgccagctg cggctggagg acctgctgcg gcagcgctcc 960
aacatcttct cccgggagga agtgactggc taccagagga agtccatgtg ggagatgtgg 1020
gaacggtgtg cccaccacct caccgaggcc attcagtacg tgggtggagt cggccaagagg 1080
ctctcaggct ttatggagct ctgccagaa gaccagattg tgcttctcaa agcaggagca 1140
atggaagtgg tgctggttag gatgtgccgg gcctacaatg ctgacaaccg caccggtctt 1200
tttgaaggca aatacgggtg catggagctg ttccgagcct tgggctgcag cgagctcate 1260
agctccatct ttgacttctc cactcccta agtgcccttg acctttccga ggatgagatt 1320
gccctctaca cagcccttgt tctcatcaat gcccatcggc cagggtctca agagaaaagg 1380
aaagtagaac agctgcagta caatctggag ctggccttcc atcatcatct ctgcaagact 1440
catcgccaaa gcactctggc aaagctgcc cccaagggga agcttcggag cctgtgtagc 1500
cagcatgtgg aaaggctgca gatcttccag cactccacc ccactgtggg ccaagccgct 1560
ttccctccac tctacaagga gctcttcagc actgaaaccg agtcaactgt gggctgtcca 1620
agtacactgg aagagggaat ccttgccctc ccctatggcc tgcctggccac ctccctggac 1680
ccgtttccac cctcaccctt ttcccttccc atgaacctg gaggtgtgtc cccaccagct 1740
ctttggaagt gaggagatgc tgcggctggc tttctgtcag caggccgggc tggcagtggg 1800
acaatcgcca gaggtgtggg 1819
```

<210> 6

<211> 1633

<212> DNA

<213> Homo sapiens

<400> 6

```
atggacaggg cccacagag acagcacgga gcctcacggg agctgctggc tgcacaagaag 60
accacacct cacaattga agtgatccct tgcacaatct gtggggacaa tcgtcttggg 120
atccactacg ggttatcac ctgtgagggg tgcagggtct tcttcggcgg gagccagcgc 180
tgtaacgggg cctactcctg cacccgtcag cagaactgcc ccctcgacgg caccagccga 240
aacgatgccc agcactggcg cctgcagaaa tgcctggcgc tggggatgtc ccgagatgct 300
gtcaagttcg gcgcgatgtc caagaagcag agggacagcc tgcagcaga agtgcagaaa 360
cagctgcagc agcggcaaca gcagcaacag gaaccagtgg tcaagacccc tccagcaggg 420
gcccgaaggag cagataccct cactacaccc ttggggctcc cagacgggca gctgcccctg 480
ggctcctcgc ctgacctgac tgaggcttct gcctgtcccc ctggcctcct gaaagcctca 540
ggctctgggc cctcatatcc caacaacttg gccaggcag ggctcaatgg ggctcctatg 600
```

caccttgaat	acagccctga	gcggggcaag	gctgagggca	gagagagctt	ctatagcaca	660
ggcagccagc	tgacccttga	ccgatgtgga	cttcgttttg	aggaacacag	gcctcctggg	720
cttgggggaa	tgggacaggg	cccagacagc	tacggcagcc	ccagtttccg	cagcacaccg	780
gagggaccct	atgcctccct	gacagagata	gagcacctgg	tgcagagcgt	ctgcaagtcc	840
tacagggaga	catgccagct	gcggctggag	gacctgctgc	ggcagcgctc	caacatcttc	900
tcccgggagg	aagtgactgg	ctaccagagg	aagtccatgt	gggagatgtg	ggaacgggtg	960
gcccaccacc	tcaccgaggc	cattcagtac	gtggtggagt	tcgccaagag	gctctcaggc	1020
tttatggagc	tctgccagaa	tgaccagatt	gtgcttctca	aagcaggagc	aatggaagtg	1080
gtgctggtta	ggatgtgccg	ggcctacaat	gctgacaacc	gcacggtctt	ttttgaaggc	1140
aaatacgggtg	gcatggagct	gttccgagcc	ttgggctgca	gcgagctcat	cagctccatc	1200
tttgactttc	cccactccct	aagtgccttg	cacttttccg	aggatgagat	tgccctctac	1260
acagcccttg	ttctcatcaa	tgcccatcgg	ccagggtccc	aagagaaaag	gaaagtagaa	1320
cagctgcagt	acaatctgga	gctggccttt	catcatcatc	tctgcaagac	tcctcgccaa	1380
agcatcctgg	caaagctgcc	acccaagggg	aagcttcggg	gcctgtgtag	ccagcatgtg	1440
gaaaggctgc	agatcttcca	gcacctccac	cccatcgtgg	tccaagccgc	tttccctcca	1500
ctctacaagg	agctcttcag	cactgaaacc	gagtcacctg	tgggctgtcc	aagtgacctg	1560
gaagagggac	tccttgcttc	tccctatggc	ctgctggcca	cctccctgga	cccgttcca	1620
ccctcaccct	tttcttttcc	catgaacctt	ggaggggtgt	cccaccagc	tctttggaag	1680
tga						1693

<210> 7

<211> 21898

<212> DNA

<213> Mus musculus

<400> 7

tgtgggcaga	aggccgtccg	tctcttaaca	gacgggcctc	tctccagtt	ctagtctgga	60
agctgctctc	cagggaactg	cttctgctgt	cactgcaaa	gcaacacct	cgctgtttcc	120
agaactgtgg	gatttgga	aactgatcta	gaagtatgcc	atctggggct	aggtcaagag	180
gctgggggag	caggggcagg	agagtgcagg	gttctggtag	gaaacccctg	agtgttaacc	240
tcagcgggat	aaaactagtc	acaccatagc	cgccatgtag	gttaggtgag	atctgcttga	300
tggctttttt	ttccttca	ttttgagact	cttaggcctt	gccagactg	gccttgagg	360
gttcccgagg	gctgggatta	caggagtgtg	ttgtgaactt	cctgtcttcc	taggggggga	420
ggctgtttct	gggctggcta	tctgccagta	agtaacacaa	atgaactaga	aagaggctgt	480
ctgcaactgtg	gagccactac	cgatgctgac	tggagatgtt	ttgttgacgt	ctctctaccc	540
tggctccggc	tagcttgga	ctcactatgt	agagcagact	ggccttgagt	ttgcagagcc	600
cggactgctt	ccgcctccag	acggcaccca	ccagcttaag	taggattttt	gttacagaat	660
tttggtgaga	atgaagaaaa	ctggctctggc	gcctggtaag	tgtcaaggga	catgagtcca	720
tccttaaac	acagcagcag	atctccggca	taacaccaag	taaaagtctc	aagtccctctg	780
gcgggcccag	ctgatcatgt	gacaaaagcat	ggatactttg	taagggtgtt	gtggcattat	840
tacaaggaga	gaagcaaaa	taaggggggtg	gggggtgggt	gagtggagct	gggatctgac	900
ctgagcagtc	aactgcaagg	taaaaaacca	tcaaagaaa	aaagtagtca	ctgagctgaa	960
agctaggaaa	tgtaaagaaa	gagttgcgag	ctatgcggct	gggtgtggga	gacacaagcc	1020
tacaacctca	gcacttggga	tgcagaggcc	agcctgagag	actcggtaag	acctgacttc	1080
aaaaacaaaa	acaatcgggc	tggtgagatg	gctcagtggt	taagagcact	gactgccttc	1140
ctgaagggtcc	tgagttcaaa	tcccagcaac	ccatggttgg	ctcacaacca	tctgtcttga	1200
gatctgaagt	ccacttcttg	caggcctgaa	gtcagctaca	gtgtacttat	ttataataat	1260
aaatatgggc	aggagagagt	gcggttgcgc	taaaattcca	ttccgaacca	ccagatgaag	1320
actcacaact	atccgtaccc	ctatagtgtg	tactcatata	cataaaataa	ataaatcttc	1380
aaacaaacaa	tcacaccacg	ctagcacaca	ccccttaggt	gattggggga	tgttaggata	1440
agctttttctg	ttactagaga	ggtatggcca	catcccaacc	agggatcttc	aacagttccc	1500
aaggacccaaa	gaactagctt	atttcccaac	tattttgttg	tgtgatacag	ggtctctctg	1560

tagtcttggg	gctcactgtg	taggctacat	acttagagag	attctcctgc	ctctgcttgc	1620
ccagagtcaa	aagacctgcg	ccaccacacc	aggcctttat	ttcccacgca	ttcttttctag	1680
ttcagacctg	gccagcttct	caagaccagt	tcccacggac	ccactcacca	tcagggccct	1740
ggcggggcagc	agcgtgcagc	gccgtgtcgc	catggcggtc	ctgggtgggca	gggtcagcgc	1800
cgagacgcag	cagcaggcac	agggcagggg	catcgtggcg	ggcgcaggcc	ctgtggagag	1860
gcgggggcgtg	cccagcgtcc	acatcaagcc	cgggatgtcg	ctggaggaga	gcctgggctc	1920
gcaccagccg	tcctgcagac	aagtaccgcc	ggaagcgtcg	ctctcggcgg	tgccggcggg	1980
aagcggaggc	catggaacaa	ctctggggct	gaggaagaag	tgggaaatgg	cagcgggtgag	2040
gtcccagctc	cgctcttccc	cgtttctccc	tttacctccc	atttctctcc	ccttgcatct	2100
ccagcaagag	ataaggccta	ttctaaactc	tcattccctta	gcagatggca	agtttggggc	2160
gcagggtggg	gatgggggtg	gagttggggg	ctgggtgggga	ggggggaatc	acagagttaa	2220
tttttgatgt	aatttttgag	aaaatgatac	atagttgttt	taaggttcca	gagcccaaga	2280
aaaaagttaa	ttctgaactt	tggagggaaa	caacaacaac	aacaaaaatc	aagtaaggcc	2340
agatgggggc	aatttttcatt	agccacaaat	ctggagaaaa	gtcacaaatt	caaagagcga	2400
tctagaaatg	gaatataatg	tacccgacag	acagacgtag	aggcttcttc	ctctggggcc	2460
tgggggggagg	ggttactcat	cagacctgct	ccccgcccc	cccaaggacc	ctcagagacg	2520
gaggccggag	gcctgggctt	aagacgctcg	gagaagggag	gtggggaggg	aggaggcgcg	2580
ccaggatgca	ggaaatggcg	caagcacacg	cgcaagtttc	gggcggaaat	gaactgtgtg	2640
ttccatcccc	gaaatcgtac	cgaacgctcg	gactgggtga	cttgtgatta	ggtctccgga	2700
ggggaaacaa	gacaatttgc	gacatagggg	cctcctgcaa	gcggaagatg	agaggcgagc	2760
tttcgaaggg	aggcagaggc	agaggcaggc	ctggtctata	gggcgagctg	cagcgacagc	2820
caggactaca	gagagaatcc	ctgtctcgaa	acacacacac	acaatctcac	acacacacac	2880
ataatcacac	acacaccaca	caaccacaat	gaggccaaat	atatgggtag	atcaaaaaag	2940
aaaaacacat	ggttagacac	taacaaggca	aacgtaggac	agagcaggga	gatgtgtgca	3000
gacgttcgga	tttgggggga	aagtctgaag	agaagatgga	ggctgaaaaa	agggggggaag	3060
ggcggaggga	ggcgtggaga	cacagtgggg	agtgtaaagt	aaaccacgcg	tactgtgtcc	3120
aagcgcattc	ttaccttccc	acaccattct	catcgctttt	gtgtctcctt	cgagaccacc	3180
aatcaagatc	tcacacccaa	acactctgcc	ctccgcttcc	cccagaccca	tctctgtgga	3240
ccctgggtgac	acggagaggc	cctgcacctg	ctgcagttagt	cagcacaggg	ctggtctctg	3300
ctgccctcgg	gcggccgttt	cgggtactac	ctcagttagg	ttcgagagga	ggaccagtca	3360
tcagtgtgag	gatgacagac	accctcccgg	tgcaggagac	tgagtgaaaa	cgggagcgct	3420
aagacccagt	gggagtggag	gaccgcatca	agggcccggg	ggagttaggc	ctggagggtg	3480
ggagccgtct	ggtacctcgg	tgccttcggg	aacagcatcc	tctctagtga	taaaaatggc	3540
cagtcagacc	cagggtatcc	agcagctcct	ccaggctgag	aagcgggcag	cggagaaggt	3600
ggccgatgcc	aggaagagtg	agcccccttt	tcctctctta	ggaatatgga	aggagaattt	3660
aggaatagag	gatagcgggc	atttgagtcc	ttaggaaaaa	aaagcccaag	gacaatgagg	3720
gcagatgggg	gactgaggct	attagggtag	aagaaaacgg	tgggttttac	agtctagcat	3780
ttggttggtt	gacaggaaac	tggataaact	tctagagggc	actgatccca	ttaacgcacc	3840
tggttgtgtg	tgtgtgtgta	cactcactgt	ccttctgcct	ctagggaagg	cccgccgaat	3900
gaagcaggcg	aaggaggagg	ctcaaatgga	ggtggagcaa	taccgcaggg	agcgggagca	3960
ggagtttcag	agcaagcagc	aggcgggtgag	ttgaggggga	cagggtatgg	cccacccagg	4020
tgcaaatcgg	tgggtgcctc	ttgcccagggt	tatacagggt	actaagaaat	taggggtgtct	4080
gagagctgaa	gaggctctga	caaggacccac	acattgggtaa	agctttgacg	ggatctgtaa	4140
ggtctgaggg	ttttaaaggg	tacatgagac	ttgtggggcg	gccttcacag	tctgtatggg	4200
ggggacagtt	ttatggtcag	tctcagaagt	aaggattgtg	cccatctgct	tggatatctac	4260
atgtttttgt	ggggtgggaa	tagtttcgaa	aaggcttccc	aggccttctc	ctgaacccctt	4320
cctcctacat	gctgggaccc	tcctttctct	gtgtctgctc	tcttcttctc	ctcctccgccc	4380
cccatccccc	aggccatggg	ctctcagggg	aacctgtctg	ctgaagtgga	gcaggccaca	4440
agacggcagg	ttcagggcat	gcagagttcc	cagcagagga	atcggggagcg	cgtcctgggt	4500
cagcttctcg	gcattggtctg	tgaagtccagg	cccagggtcc	accccaccta	tgggttact	4560
gtctagaacc	atcgctcagg	gacacatccc	tagagtgaat	ccttctgtca	gctccgtcca	4620
cagagaaata	tcccactcca	aaaccacttg	tgtcgcattgc	gcagagcctt	gggttcaatc	4680

cataatatca	tccccccac	ccaccaaate	gcttcacata	ataacctgtt	gctggagggg	4740
aggcttctat	gtgacaggat	ccaatatccc	cccctgagac	ttacaagtag	cctgttcaaa	4800
cccgacaaac	ccgaatctct	ctgttccatg	acacccactg	gaagtttact	aatgaatgcc	4860
cacgtcatcc	ccaccggacc	cctctgtgaa	atatatgtcc	tggtgacagt	tatgaaagca	4920
ccctgacttc	agagcagggg	aacctctgtt	cctctcccac	ccctggctct	tgctggttac	4980
acaactggga	caactattta	acctggaagc	ctcagtgtcc	tcattcttgt	gactggaatg	5040
acagcaacaa	cgctcacttt	gtaaggtggc	tgctgtgaat	tatctgtgag	aattcagcat	5100
agttccagat	gacggagtgc	ctgtatcatg	accgcactct	gcgtgcctgc	cagaattcta	5160
accccctctc	ctgacttttt	tattcctcgt	gttccagctt	tgttcagcca	ctgtgacact	5220
agtaaccctc	taaagaattt	gtttctctgg	ctctcccttg	gcacatcatg	ccccgaaca	5280
gttaaatgat	aatgttattt	agcccctctg	tccgagtcct	aaatatatat	caaatctctt	5340
agcacctctc	tgtttctcct	gagctgggtc	ttctcatggg	tggccccctt	ctttctctgt	5400
tttcccaaat	cttgctgctt	ccgggagctg	aagatatcta	tgacattcac	atgcatgcat	5460
tcctttgtgt	gccctcagca	ccttgccctc	ttgtgtaaca	gcggagtgtc	aataaaatac	5520
tgggtggatga	gtcaattgtc	ggtgaaagca	gcctcctttt	tgcttgccg	ttgtcactt	5580
tggttcgctg	tcctcagagt	tatgcattta	tatagtttcc	aaaacactgc	aaagggctgt	5640
cctggaagct	ttatggagaa	acaaaaggac	acagtactgt	gtccccctct	gaacagagag	5700
ttgcatagat	agttgtaagg	gaaatgttgg	cagagcagca	ctctgtccct	ttcctgggtt	5760
tacactgctc	atcagcacca	gagacagaga	cagacagaca	ggcaggcagg	cagacagaca	5820
gacagacaga	cagacacaca	cacacacaca	cacgagagag	agagagagag	agagagagag	5880
acagagagac	agagagacag	agagacagag	agacagagac	ttactatctt	actaagtatc	5940
tctgactacc	ctggaatttg	ctaggccagg	ctagctttga	actcacaaga	gatccacatg	6000
cctctgcctc	ttgagtactg	gaattaaaga	cgtgcaccac	cacgcctggc	ttgacattat	6060
gtttgggtat	tggctctcat	tatgtatctg	atgataaagg	tcgttgatc	cccagagcct	6120
agatagcaat	tggcacacac	ttggcagttg	aggaataact	tggaataaaa	agatgctggg	6180
gtggggaagg	aggaagtggg	ggtgggtggg	gtaggggggtg	aggggggtggg	acactactgg	6240
tctctgacct	ccattccttt	atcagttctc	ttcactgctc	atttcaccct	gaacttgaat	6300
caatgaggta	attcatagtc	ttatatgact	tttctgtaga	gagacattaa	aaaaaaatct	6360
ataagccagg	tgtggtggcg	catgccttta	atcccagcac	ttgggaggca	gaggcaggtg	6420
gatttctgag	ttcaaggcca	gcctggtcta	cagagtgaat	tccaggacag	ccagggctac	6480
acagagaagc	cctgtctcag	gaaaaaaaaa	aaatctatgc	caaataaggc	agtcatgaaa	6540
caccaaagat	atctcaccac	ccaagtctca	cttggcagac	caaagagctc	gctggagtta	6600
ttggcagtat	ggtgggtgat	aggttactta	taggagtga	actggagtga	cttcccatca	6660
gaaagtgcgc	caccagcgtg	acttgtatgc	agaccaaaga	gtcctgccac	caggagctgt	6720
ttattgggtga	cacaatctgg	gagaagtgtt	cogtgtcttg	caactttttt	tctgaatttc	6780
ctgagccttc	tcactctca	tcaggaggaa	atgtttcggg	ggaaatagct	atacaaaagc	6840
aaggagattt	ttgaagagga	gggacacatg	tgataggaaa	ttgggggtgt	tacacccctg	6900
tgtttccctg	ctagctgtat	tgccctggcc	accttgtttt	atttctctat	tttcatatgt	6960
ttacaggaag	agtggagcgg	ggcatgggtc	tgcatcctaa	tcctccagca	ggagaattga	7020
gagcttgagg	ccagtctata	taactgctca	aaactagtaa	cagagaaaag	aagaaaaaaa	7080
tggcaagaca	gatgaggggc	actcaccttg	ctgtggcccc	agtggccacg	gttttaagca	7140
ttgttaaaat	cacagccagc	tgtaagaca	atcccttccct	gcctgggcta	ccttaacaag	7200
gactgtcagc	atggccattt	tgaatctctc	ataaagtctt	tgaggaaaac	acacagctaa	7260
tggctcagcc	aggattgttt	ctgtctctct	tctctctccc	cagtggaggg	tggaacttcc	7320
catagtccag	tagcaggaag	atgtgttata	actgatgcca	aagggacaa	attatgattg	7380
gtgcaaacac	aagtcttcat	ttgcacgagt	ttgtgttttg	ctgtgttttg	tgcaaacacc	7440
ctttgtctgg	tgtaaaagcag	aaagtgttgg	tcacttgggt	cagctgggac	aaaccttact	7500
atgctacccct	ccacaatgtc	accacattag	gtccagttaa	aggaagacag	tggtctaaag	7560
cccgccaaact	aggtcaactag	gagagtctct	ggaaacgctt	caaagctaaa	ggccacagga	7620
ccgcaatttc	tggagctaca	gttcgttaata	agttacagga	gcagagggaat	tcctactctc	7680
ctctgatttta	tacaaaaccc	gcgggctctg	tgcttagggc	tgccaaatgc	ggagggatca	7740
aaagctacca	agccccagcc	cagagagctt	atgcgatgag	caggacacag	ccagctgggt	7800

ggcaacactg	atacttagtg	ttacttttga	ttaatatata	gtgtccttaa	taggggaaagc	7860
ccgagcttgt	gtttatgtag	caaggcaaca	ggacaacact	tctgctatat	gtaacatctc	7920
aaaggggaata	ccacatgggg	ggagggggat	gtccaggctg	aataatggaa	ctgagattat	7980
tctgctgctc	tagttagcaa	gaattatgga	aaggtgcata	acctcaaacc	ccaccattta	8040
tttagcaact	agacagaatg	taagcctcca	tctttcgata	taatttttggg	taaatcctgc	8100
ctattctctg	cacgactgta	atgggcgtgg	tcacgtgtcc	ccctccccctc	cagcagaggc	8160
ctgagtttagc	cgctctcggg	tcaccttgac	tacgaggcta	aggaccccg	gagaaaacgct	8220
tctcattcga	tcgcgagagc	ctccatgccc	acagagagg	gccaggggag	aagcctggcg	8280
tggcaaacaa	aactaaagta	gagccgaccg	tcggagggtg	ttgcataagc	gtagaagaac	8340
aaaatggaga	gctctgcggg	ggaagacgtg	agtttcctgt	cgcgctcttg	ctactggcga	8400
ccggaggagg	cgctcgtcaga	agcttcattt	caagtggg	ttctgcaaag	ccagccgcgg	8460
agcgcgcgcg	gcgaaagcct	gcttcgggct	ccttgccgct	gcgccctggc	ggccgggaag	8520
gcgggaggcc	ggggcgagcc	tggaaaccga	agtgaaggca	gcttccccgc	tccgtccccg	8580
ttgctgccgc	catacacgct	cgcagtgcct	aggtaagcct	tggccctgtg	caccatccac	8640
cgccatctgc	ttctccccgc	gctcgccccg	ccgcgcgggt	ccctgatacc	cgggtgcggg	8700
tcggcgccgt	ggccgcgggc	gcgcaggcgg	gcgtccagtt	ctgttgtctt	caccccttct	8760
tgagagcaga	tcttgccggg	gagctgggag	acaagggggg	aacgatccaa	aatggtggcc	8820
tcggccgccca	ttgtgtctcc	gcgcttcctg	ggtgttccag	tgggtcctct	gccaccccg	8880
ggccgcggcg	gccggaggcg	gcgccaggag	gagggcgggg	ccccctgcct	ctccccctcg	8940
ggccttttct	tgctcgccca	gggatgggaa	gatctcgctc	cggggcccg	ccagcccttt	9000
gaccccgctt	tcgctgcctt	atttgaggct	ctctgtgaat	ggctgcctct	gtgctggg	9060
gatggtgtcg	cgcacttctg	gggaagcttt	tccgagagca	ctgcaaggcg	ttcctttcta	9120
aggccaccca	gctcacactc	ttaatcctgc	atcgtttctca	gctgtgaact	taattcctta	9180
gtgcgacttt	ttaaattaac	tttggcagcg	ctgagccgaa	ccttgccggc	tctcgcgcta	9240
ctaagcaagc	actgccattg	aactgcacac	acccatcttt	ttcaaaaaca	aaaaaaaaatt	9300
tttttttctt	gaaatggagc	cattcataca	cttcccactc	tccgccccgc	accacccctcc	9360
ttcctgcttc	tgttccccgg	tccaggtgtg	cgccgctggg	acggccaactc	gggggtttct	9420
gagcaagaga	atagcggcag	ccacatgatg	tttgcatctg	ggaagtgagc	gctctgcgca	9480
gtgctgaccc	ttatctatca	cccttgactg	atggctgacg	ttggggatca	ccaccgtgag	9540
gtggcaggag	aaagcgcagt	ctctgtcttc	ccttgctcct	tgtgtctcaa	ccctcgtgtg	9600
agtcgttagt	cacgcttatt	ttaactgcgg	ctcccagttg	gctcctgcct	gtcgaagtgt	9660
gtgttacaaa	gtctggttag	cgggtggagcc	cactctgtct	ctcccgctctg	gtgttcccg	9720
ttcttatgtc	atgagactct	ttgttaactc	ttctttcggg	acaaagggtt	cacagttag	9780
ggaagaatag	gacgggtgta	gggatcgacg	agaagtgaag	agtcattctg	tgactgatga	9840
gtttttccgg	tttttttgtt	gtccccctct	ccagctcttc	tgtcggaaac	tgggtgtctt	9900
ccccctgctg	ttcttcaacc	cctctctttg	gccttgcctt	cctcaactgc	tctgggacac	9960
ctaactcaga	gacctccctt	ctccccctgc	cggcccaatt	atggcagaga	acgatgtgga	10020
caatgagctc	ttggactacg	aagacgacga	ggtggagaca	gcgctgggg	cagatgggac	10080
cgaggctccc	gccaaagaaag	acgtcaaggg	ctcctaagtc	tccatccata	gctccggctt	10140
ccgagatttt	ctactcaagc	cagagctgct	ccgggcccac	gttgactgtg	gctttgagca	10200
tccatcagag	ggtacatttt	attgttgtgt	gtagagacct	tatttagaac	ctctgggtgca	10260
agaaaaggga	ggttcaagtc	tagggtcata	ggatttgaat	ttatttggga	taggccaagc	10320
tctgagaatg	tacccaagac	ggcagctgta	gaagaggctt	ttgttctcca	ttaaaccgag	10380
ggctgccatt	tggtctgtgc	ctggcttttt	tgcttggttt	ttgtcattct	gactgttcca	10440
actcccagag	agggcctggt	tggaccttta	gttccctctt	tttgggacag	gccaaagtgt	10500
gtttccggaa	accttaacga	tcaggatgct	ggcttctgtg	gcttctgggt	caggtaccaa	10560
gtccttcatt	ttgttcaagg	ttgcagggtt	acatgaccca	aaagcacagc	aacctatgta	10620
ggagaaatgg	cctgtggcag	tcgaattcat	agattgttac	ggtgtgaaga	aagtaagtgt	10680
agccagggaac	gtggaagggt	gcctgttggt	agcttctcga	gggttctttc	ttagcgggaa	10740
tggggagctg	gggtaggagg	gtttgacttg	agtgtgaagag	tgatgagggt	caggggaaag	10800
atggggctctg	aaaggtgaca	aggtgacata	tgatgagtcg	gctggggaga	aaggggtttg	10860
gcatggtgca	aaaatgtctc	tcctttctcc	ttctagtcca	gcatgagtgc	atcccgacag	10920

ccattctggg	gatggatgtc	ctgtgccagg	ccaagtcagg	catgggaaaa	acagcagtgt	10980
ttgtcctggc	cacactgcag	cagctggagc	ccgttactgg	gcaggtatgt	tgggggcagt	11040
gctggagagg	gtgtggagat	tgaatcacca	ggaggccatt	tctggctcca	tgtgctctca	11100
gctggtgtcc	tctgcagttc	aaggggaatg	ttcaccaaca	tactgacaa	gttgctggat	11160
gctcttgtga	cgaggggctg	actttactgt	gtctgtctcc	atttgctccc	tcaaaggtgt	11220
ctgtgctggg	gatgtgtcac	actagggagc	tggcttttca	gatcagcaag	gaatatgagc	11280
gcttctctaa	gtacatgccg	aatgtcaagg	taagggggga	aagaaacctg	ggacaggagg	11340
ctgtggggag	acaggcactg	ggagggagggt	tggctgtcct	cgggcacccc	tgtgctgtca	11400
gtggtgtggg	cacatgagag	acttcagtta	gtgccacacc	cttctgtggc	tgcccttcca	11460
ggttccatac	tgtgaataca	cctgtgtgtt	cctgagagtt	cgtagcttta	ggtgatacca	11520
ccgcaacact	ttgtggttag	ttggtttttg	tattgcagat	tccattccag	agccttgagc	11580
tactatgtgt	gggactgagc	caccctggg	tcctttgttt	ttatgttcac	gactgtctct	11640
taaccaccac	gttgtcctgg	taggccttga	actcacctta	gtctagagat	agtaggcctt	11700
gaacctgagg	ctcctgccac	aggttccctga	gtagttgggg	caggcctttg	ccacctggct	11760
tggccagagc	ctctgttctg	ttctcctgaa	ttgcttggtg	gattgtttga	gagttgggtt	11820
gtatgtggca	agaggaagct	agatgctcct	aaaacagccc	tgggtgtggac	tttaactcta	11880
gagtgggttaa	agctttccgg	gggtcataac	aagtggcctg	tgtcctctgt	gaaggaaagt	11940
ggtgtggcct	cacagttggc	atcctttgga	acttttgaga	ttatatattt	ccatgcttgg	12000
gtgagtggcc	tgtgtgggtt	gaaaggcctt	gtaagctggc	cctgtgagta	gagagatgtg	12060
tgcagaacttc	ctattctggg	taggggtggg	aaagagcagc	ttggatcagt	ctgggctgac	12120
ctttgagtca	aatccacctt	cctctgcctc	tactgggatt	aaaggcgagc	atctccacaa	12180
ccgcccagca	tgacagattt	aaaaggggga	attctagaag	aagaaaagga	aaggcagtat	12240
gtgcaaaatg	ctaaaggagg	ccagagatct	tgtgatctct	gaggtttcca	ttgctcggca	12300
taaccaagca	ttagacattg	ttttcctaac	ctgtctgtgt	gcaagcttac	tggcctctga	12360
aacatttttag	cgtattttata	tatctttttc	ctaggatttt	gaaaatagat	tgtaatctgg	12420
aggcattgtc	tatgtctgtg	tgcctgtgcc	tctggctgta	tgtcattata	ccttgccaaa	12480
aaactaatag	actttcagtt	ccttggctga	cccttccctt	tgtggtggat	ttaatagttg	12540
ggaactgaag	ctggatcagt	ggctcattcc	tgtattccca	aggcctggga	ggttgagggtg	12600
ggcgtttgct	ggagttgaag	gctgcccggg	gctaaggtct	caaaacaaag	agggaggggtg	12660
gcaaagctgc	agtccttctc	tgcaggctcc	acagcacctt	tgtgctactc	aaaatgctct	12720
gagagttggg	atcaagtctg	aggttgggtt	tgggtgtagga	gcctgcagat	tagctgggta	12780
ggtccccccc	ccccatcata	aaatcagaat	catctgtact	tctccttggc	tgtgcagcac	12840
agtgtcctct	agggggctgt	ctagtccctc	ccttagtttt	agctcgcttt	tccctcagta	12900
tttgtaacta	tgtctgaaag	cttaactgat	accagtaaac	catcgtgaac	aggagtggag	12960
tgtcctctgt	tgcattgtgt	agccattgtg	gttcaggatt	gagaagagga	agaggtttac	13020
tgtagagtaa	gggtcctggg	tatttctttc	cccttgaaat	tggacaagtc	caagtgtcac	13080
agctcacaca	tccagcactc	acctgggtgt	acagctcaca	cactcaccta	gtgggttgca	13140
catggtgtga	cttttatctc	aggcacccag	gaagcaaagg	ctccaggcca	gggagactgt	13200
ctgacagttc	agttaggaaa	gcttgcttgt	ggtttgatcg	ttgggtggcg	cctcacactt	13260
gctggtgggt	tcttgctttc	ttcatctgtg	taaggaagct	gtgaactttg	agtcacacgt	13320
gcctcgctgt	gtagatcagc	tagggctgtg	cagagcgatc	ctgtcttggg	gtttgagtgg	13380
aggcgagaaa	gctgagtgtt	catcccttcc	tccatccctc	ttggccccct	ggtgctgagg	13440
aggtcgcttt	gtttcttatg	ggaggcacag	gagtcactgc	aggcctgaaa	gctaagagtt	13500
ggtttacagt	caaccacaga	atggacacac	tgttattggc	aagatggccc	actgccttta	13560
atctgtactt	ggtgcacagc	aggctgatct	acaaagtga	ttctaggcca	accagggcta	13620
tacagtgagg	cctctcaaac	caaagggatg	ggggagaatt	ctgggagact	ggaacattgt	13680
cctttctcgt	ggttagacag	tggcagtgtt	ttttggcggt	ctgtctatca	agaaggacga	13740
agaggtgctg	aagaajaact	gcccacacat	cgtcgtgggg	actcctgggc	gaattctagc	13800
cctggctcga	aataagagcc	tgaacctcaa	acacattaaa	cactttattt	tggacgagtg	13860
tgaacaagat	cttgaacagc	tgggtgagtg	gcgggtgccc	ggccgcagct	caggtgggtt	13920
ggggagcagc	cctttjagcc	aaatgatgta	tgtttgacat	aggagcactt	gtgtgcaagg	13980
acgaacctta	tctatcacc	atgactgatg	gctctgggccc	tccttctctt	ccctggtgjc	14040

tgtacagtga	tgcggtgtgc	tcagccctgc	gctcctttct	gtagcagggg	acggaatgtg	14100
ctgacgctac	aagtcctcac	caccaccctc	tccttagggg	tggaccatgt	actgggtgtt	14160
acacaagagc	agcaggtgcc	tgcccttgta	tcccagtata	gcatgctgta	taaggatgaa	14220
atttcattaa	gagtttcttt	ggggagtgc	agagaaatgg	ctcgtagttt	aagagcactt	14280
ggctgctctt	gcagaagacc	tcgtttcatt	cccagcatcc	atatgaaagc	atataaccac	14340
tatacatagc	tccggtttcc	aggggtgcct	gaaaccctcc	tttggttttt	ttgagcacta	14400
ggtgcattcg	tgttgcttag	atgtacacgg	aatgaatata	aataataaca	taacggagct	14460
cggggtgcta	gttttggcac	atgcctttta	tccaagcact	tcaagagtct	aaggcaggcg	14520
agtctctgag	ttggaggccc	atctggtcta	gagtcagttc	aaggatatcc	aggactacac	14580
agagaaattc	ttgaaaaaaa	ggcttaacct	gccttttaac	ccaagggcta	catatcgagc	14640
tcttatcttt	aaaagaggtg	ggggagagaa	ttgattctgt	tgagttggga	gagtagaaaa	14700
gagtgtagct	ctagagaaaa	gtctttacaa	atggcctttg	actgtctcaa	gatggcactc	14760
tgggtggcatt	agatcggctg	tatatgtctc	atggaacagg	gtatgtgagg	cgagagggtga	14820
aggtggaagg	cacagtggac	tgggtgtagag	attaagttct	gagatgggag	tagggagagc	14880
agcaggaaag	ggccttcagc	ggtattttct	tggagactgt	atgtatgtat	gtatgtatgt	14940
ataggtcttc	ttgtgtagaa	ctagttaggac	tggaaattat	gttagaaacc	aggctggcct	15000
caaaactcaga	tttgcttacc	tctacctcct	gagttctggg	attacagatg	taagtttttt	15060
tttttttttt	tttttttgag	tcagggtttc	tctgtagagc	cctgtctgtc	ctggaactca	15120
ctttgtagac	caggctggcc	tcgaactcag	aaatccgcct	gcccctgcct	cccagtgctc	15180
gggatcaaag	gcggtgcacca	ccatgcccgg	caagtttatt	atttttaagt	gtgtatgtgt	15240
gcatgcatgc	ttgtgcccac	agaggacaga	ggagtgaacc	gccctggagc	taagttacag	15300
gcaatcgtgg	gaactgggaa	gctaattgtg	atctctgtaa	gagcagcaag	tgcccgtggc	15360
tgctggaccg	ttgtccagcc	tcatactcca	tatttaaggg	cttctgtccc	ctgagcctct	15420
cgtgaacttt	ttccccactt	tgtagattcg	gtcatatttc	ttgtcaaaac	aagagtggaa	15480
cttgacccca	agtctttttc	taagcacatt	ctttattcca	tgctgttact	agtatacaca	15540
gctcctgggc	ctcctaagtg	ctgggattac	aggcatgtgc	cacgaagcct	ggctcgttcc	15600
tgagatcatg	gaaccgccac	atctctgcag	tggctcccc	cagagtttca	ttggcctcac	15660
cagacttatg	tcacagactc	acttcttact	gtgtgtgtgt	ggtttttttc	tcccctgcag	15720
acatgcgtcg	ggatgtccag	gaaatttttc	gcatgacccc	ccatgagaag	caggtcatga	15780
tgttcagtgc	tacctgagca	aagactgggc	ttgtgggttt	gaggtcttgt	gtccatgcag	15840
ctcagaggcc	aggatgttca	gaaattaagg	cctagatgta	catgcagtca	ggttgaaggg	15900
cagaaaaaaa	acattgtgaa	aggatatttg	ggttggagta	agggacggag	gaattccttt	15960
agaaattctg	ccaggtctgg	gaggtggtag	cacatgcctt	taaaccagc	attcaggagg	16020
cagaggctgg	cagctcttaa	gtctacaaa	tgcaatgcag	gacgccagga	ctacacagag	16080
aggggctgoc	ttgaaaagca	aaaagccaaa	gttctgccc	gtgtgttagc	agacatcttt	16140
aatcccaagc	agtgggcaga	gactggtcga	tctctgtgag	tacaagtggg	gocagcctgg	16200
tctcgtgttt	caggacgact	agggcaaata	gagaaacct	gtgtcaagct	ttctgtctct	16260
cagagaatgc	acattgagtt	catagccctg	tccatgtaac	tggcccaggg	gcatcaacaa	16320
acactcctga	aagtgcactt	gocagacacc	cacaaaacca	cacacacaga	aatcttcaaa	16380
actccaaaaa	tcagattttc	ggggctgggg	aagtggctca	gaggtcaaga	gcacttttgt	16440
tcttcacagga	gttcccaagt	tcattctctc	atgtcagctc	ccagtcagt	agttacagt	16500
ggggaagaag	atgggtccat	gtcctctgct	ggccctccag	gcaccaggca	cacatgcaca	16560
agtgtgtgta	ggcaaaccoc	acacacttga	acttaaaaaa	acaagactga	taagctgggt	16620
catacatcat	goccgctgct	cctcaggtgg	tgatctttgt	gaagtcctgt	cagcgctgca	16680
tgcocctggc	ccagcttcta	gtggaaacaga	acttcccagc	cattgctatc	catcgtggaa	16740
tgcocccagga	ggagaggtgg	gttggaggcg	cgtgctgtgc	tgcocctcca	tctgggtcct	16800
gtcctgtgga	ggaggcagt	tggagagaag	agagtctcaa	cctctcatt	tactctctca	16860
caaaaggctct	ctcgggtatca	gcagttccaag	gattttcagc	ggaggattct	tgtggctaac	16920
aaactgtttg	gocgaggcat	gcatattgag	cgtgtgaaca	ttgctttcaa	ctatgacatg	16980
ccagaggact	cggacaccta	cctgcacagg	gtaagctgcc	cgcacacccc	acttcccctg	17040
tgtgctgagc	acccccctct	tcctttgtct	tccctgggag	gcttgcactc	taacctctct	17100
ccttcacaggt	ggccagagcg	ggcgggtttg	gcaccaaggg	cttgccctac	acatttgtgt	17160

cagatgagaa	tgatgccaa	atcctgaatg	acgttcagga	ccgtttcgag	gtcaacatca	17220
gcgagctgcc	cgatgagatt	gacatttcct	cctacagtga	gtaccaccct	atgtgtgtgt	17280
gtgtgtgtgt	gcctgtgtgc	gcgtttccca	ttttgtatct	tactgtgact	ttttttctcc	17340
agttgagcag	acacggtaga	ggactcgcgt	ggtcagtcctg	ctgtagaaga	ggacacgggt	17400
caggaggaga	cactaccgcc	ccacccgaca	ccgacgcctc	tgcccaccct	atctatgctt	17460
ctctctgcgt	caccactcct	aaacctagtc	ctgattttatc	agagttgttt	gtttgttttt	17520
gttttttaac	aaaactaaga	atgaaacaac	cgtgtctgtg	ttgtctgtaa	gtgctctgtt	17580
catggcctga	accagggtca	ttctgagggc	cgtgagccgg	gttgtggggc	agcgtcattg	17640
tcttctttct	aagggtggctg	tggacagggg	ggctggggaca	ctgctggggc	ccggaggtaa	17700
agagagcaag	ccccacgtcc	tggtagctca	gctccttcag	ctgagtttct	tgtacctccc	17760
aggtatctaa	gcggggcctg	gtaggccatg	cctgagcgtg	tgtgcacagg	catgcgcgcg	17820
cgcacacaca	cacacacaca	cacacacaca	cacacacaca	cacacacaca	cacacacga	17880
tactggcagc	ttagctgtgt	aaagagcctg	gagtccttag	ctggactaag	tgtcaaccag	17940
ggcaggggct	ggaagccttg	ggaagctgtg	gagaggtctg	gcctgccttc	cctttctgtt	18000
tttggtctga	ggctcagaag	gtcataggtg	aagcccaggc	agcttcttac	ctcagctgtg	18060
catctgaggt	agagcggggc	tgttgccagg	ttatcttggg	gttcttggca	gtgggggggc	18120
cggaggtggg	aggtgaaagt	aacagacctg	agctgctgct	ccctggaacc	ggaaccgcct	18180
ctctgtagac	cttgattgca	cttcaggggc	aggcattgct	aaggcaccgg	cccatggggc	18240
ccctgcccgc	tctgacctga	caggctggaa	cttgtgttgc	tggcctgaga	tctcagatcc	18300
acacaactgc	agttgcaccc	ttagcctcag	cacaattggg	tgttgtgatg	gatgccatgt	18360
gggtgggcgt	gcctcagaag	gggtggatgg	tattactcca	ggtcacttgg	gggagacacc	18420
catttcttca	gacatgcccc	agagcacagg	cctctgctct	aaggtttgag	caaaagtctc	18480
attcatacct	tctgtgcccc	tgctgttacc	tctctatgcc	tccctgggat	agcaaagagg	18540
aggttggtct	ctgcgccgaa	gagcttcccc	acagtcaggg	tctcatcagg	cggaactata	18600
catacagcca	aatgcttcag	tctccgtttc	attctttgtt	tttattttca	aaatagttta	18660
ttaagttttg	acagcatcta	tctaaatgca	ctaagtgtgc	attgcctatg	gtggccagca	18720
gaggggtgctg	ggccccgagg	agcaggttac	caggagctgt	gagccacctg	acttgagagc	18780
aagtgtctct	gcccccttagc	cctctgctcc	tgagatcctc	atttctgaag	agatctggcc	18840
accacatcct	ggtaggaagg	gatggatgtt	cacagagaaa	gccagaagac	ttgcaagggt	18900
ccccactcaa	gacaattacc	attagggttc	cctttgcccc	gtcacgtgtg	ctggatagtt	18960
ttatatgtca	acttgacaca	agctatgtcc	atcacaggag	ggaaccttaa	ttaagacaat	19020
tcttccatag	gactgggctg	caggcaagcc	tgtaaaggcat	tttcttaatt	agtgattgtt	19080
ggagaagggc	tgggtggctct	gggttctata	agaaagcggg	actgggcaca	ttcttggaaa	19140
ggggagggag	gatggggaa	gaatgtgtga	ggaggggact	aggaggagat	gggggtgctgc	19200
aaagtgaata	cataatggaa	aaaatgaaag	ggcatgatgg	tgcacgcctt	taatcccagc	19260
acttgggagg	cagaggcagg	cagatctcta	tgagttcaaa	gccagcctgg	tcttccagag	19320
ctgtcagaga	aaactcaatca	cagcgggtgg	ggttggggga	gcaggctgaa	caagccagta	19380
agcagccttc	catggccttc	acatcagctc	ctgcgcctag	gttctctccg	tgttttgaat	19440
tcttccaatg	atggacagtg	atgtggaaagt	ataagccaaa	taaattctct	catccccaa	19500
attccttggt	catgggtgtt	accacagcaa	tagaaaacct	gtgacatgtc	actgtgaggt	19560
tggctctcac	acagtacagt	ctccataaaa	gccttagcaa	gcaagaggcc	aatgtctaac	19620
aggagagtcc	aagattcaaa	tcttataatc	ggtgcaacct	cttaactctt	ccaaaacacc	19680
aaaacagctg	ctgcctctct	ccaactatct	ctagaaatgt	tcttgcagggt	ggcagctgca	19740
gtaggagcta	atgagccccc	agatctatgt	aaaaacgaat	cagatgggtga	ggctggagag	19800
gtcgtcaggt	ggttaagagc	actggcagct	ctgcagagg	acatgagttt	ggttccatagc	19860
acacacgtgg	tagctcaca	tcctctgtaa	ttccagttcc	aggggaggga	tctgtcacct	19920
tgttatggcc	tccatgggca	ctccacacac	atggtgcaca	gacatatata	cagacaaaat	19980
gctcacaat	aaggtgagat	ttaaagtctc	aaaaaaaaag	attcagtgtt	ttctgtgggt	20040
aatgttgctc	cgtggataca	gcctgcata	gatgcacaga	tgtgcctgca	agcaaaacac	20100
atacgtagaa	ataaatcaga	agttagagat	ggttcagttag	ttaagagcac	tggctgatct	20160
tctagaggag	ccgggttcaa	tcccagcac	acacagcgca	gottacaact	gtttgcaact	20220
ccagttccag	agactccac	atcctcacac	agacatacat	gtaggtaaaa	caccaatgca	20280

catgaaataa	aaataattaa	aaaacatact	tattgagtag	ctcgtagtag	attgaggcat	20340
ctaagaggct	gcacgtctcc	ctggaagcaa	gagctaacag	tgccgatggg	cttttattct	20400
tttcatttac	actctttcat	tacacactgg	aagggtgggac	agacctgctc	acttcagcac	20460
cctgccagtt	aaacagaacc	cccttctggc	agaagcctgg	tccaagtctg	gtgaacgttt	20520
acaaggaaag	caggcagtc	gcaactgagc	tttatccaca	agcactgact	ctcagatata	20580
aactgacagt	cgcttttatcc	tgggagcctc	cctgggagca	tccagtgcg	tgtgtgtgtg	20640
tgtgtgtgtg	tgcgtgtgcg	tgtgcgtgtg	tgtataagag	agagaggggg	gggggcccgg	20700
tgtggtggcg	cacgccttta	atcccagcac	ttggtaggca	gaggcaggcg	gatttcttga	20760
gttcgaggcc	agcctgggtct	acaaagttag	tgccaggaca	gccaggggcca	cagagaaaacc	20820
ctgtctcgaa	aaacaaaaac	aaaaagagag	agagagagag	ggagagagag	agagagagag	20880
tgtgtgtgtg	tgtgtgtgat	tgagtgtgag	tgtgtgtgag	agagaaaaag	tgtgtgtgag	20940
agagaaaatg	tgtgtgtgta	agagagtgtg	tgtgtgagag	agaaaaagtg	tgtgtatgag	21000
agagagagag	tgtgagagtg	tgtgtgtgat	tgagtgtgag	tgtgtatgag	agagaaaagag	21060
tgtgtgtgag	tgtgtgtacg	tgcacaccag	ctcttgtctc	tgtcttttgg	aacagtcctg	21120
agctgtcttg	tgttcacaat	gacccgggaa	acgtgtctcag	aaccttgggc	cgctgagaag	21180
aacctaaagg	atgttatattg	acagcaactg	agatgcaagc	aagcttttga	gtagtattgtt	21240
agcatggcag	ctgagttttc	aatgctctgc	cacattaatt	agttaattaa	ttaacacatc	21300
agctcctgcc	actaggttcc	ttccatgttt	tgaactttctg	tcttgacttc	cttcaatgat	21360
gaacagtgat	gtggaagtat	aagccaaata	aactctctcg	tccccaagat	tgcttggtca	21420
tgggtgtttac	cacagcaata	gaaacccctgt	gacatgtcac	tgtgaggttg	gtcctcacac	21480
agtacagtct	ccataaaaagc	cctagcaagc	aagaggccaa	tgtctaacag	gagaatccaa	21540
gattcaaatc	ctataatcgg	tgcaacccct	taactcttcc	aaaacaccaa	aacagctgct	21600
gccctcttcc	aactatctct	agaaaatgttc	ttgcagggtgg	cagctgcagt	aggagctaata	21660
gagccccccag	atctatgtaa	aaacgaatca	gatggtgagg	ctggagaggt	cgctcagtgg	21720
ttaagagcac	tggcagctct	cgcagaggac	atgagtttgg	ttcatagcac	acacgtggta	21780
gctcacaatc	atctgttaatt	ccagtctccag	ggggagggat	ctgtcacctt	gttatggcct	21840
ccatgggcac	tcacacacaca	tgggtgcacag	acatatatac	agacaaaatg	ctcatata	21898

<210> 8

<211> 1634

<212> DNA

<213> Mus musculus

<400> 8

cgctcgcagt	gcttagctct	tctgtcggaa	actggtgtct	ttccccttgc	tgtttcttcaa	60
ccccctctct	tggcccttgc	ttctcactct	gctctgggac	acctaaactca	gagacctccc	120
ttctccccct	gcccggccaa	ttatggcaga	gaacgatgtg	gacaaatgagc	tcttgactca	180
cgaagacgac	gaggttgaga	cagccgctgg	ggcagatggg	acggaggctc	ccggccaagaa	240
agaagtcaag	ggctcctacg	tctccatcca	tagctccggc	ttccgagatt	ttctactcaa	300
gocagagctg	ctccggggcca	togttgactg	tggctttgag	catccatcag	aggtccagca	360
tgagtgcato	ccgcaggcca	ttctggggat	ggatgtctct	tgcacaggcca	agtcaggcat	420
gggaaaaaca	gcagtgtttg	ttctggccac	actgcagcag	ctggagcccg	ttactgggca	480
ggtgtctgtg	ctgggtgatgt	gtccacttag	ggagcttggt	tttcagatca	gcaagggaata	540
tgagcgcttc	tctaaatata	tgcgcgaatgt	caaggtggca	gtgttttttg	goggtctgtc	600
tatcaagaag	gaagaagagg	tgttgaagaa	gaactgtcca	catatgtctg	tggggactcc	660
tggccgaatt	ctagccctgg	ctcgaaataa	gagcctgaac	ctcaaacaca	ttaaacactt	720
tatctttggc	gagtgctgac	agatgcttga	acagctcgac	atgctctggg	atgtccagga	780
aattttttgc	atgacccccc	atgagaagca	ggtcatgatg	ttcagtgcta	ccttgagcaa	840
agagatccgc	ccagtctgac	gcaagttcat	gcaagatcct	atggagatct	togtgatga	900
cagacccaag	ttgacgctgc	acgggttgca	gcagtactac	gtgaaaactga	aggacaacga	960

gaagaaccgg	aagctctttg	atcttctcga	tgtcctcgag	ttcaaccagg	tggtgatctt	1020
tgtgaagtcc	gtgcagcgct	gcacgcacct	ggcccagctt	ctagtggaa	agaacttccc	1080
agccattgct	atccatcgct	gaatgcccc	ggaggagagg	ctctctcggt	atcagcagtt	1140
caaggatttt	cagcggagga	ttcttgtggc	taccaacctg	tttgcccgag	gcacggatat	1200
tgagcgtgtg	aacattgctt	tcaactatga	catgccagag	gactcggaca	cctacctgca	1260
cagggtggcc	agagcggg	ggtttggcac	caagggcttg	gccatcacat	ttgtgtcaga	1320
tgagaatgat	gccaagatcc	tgaatgacgt	tcaggaccgt	ttcgagggtc	acatcagcga	1380
gctgcccgat	gagattgaca	tttctccta	cattgagcag	acacggtaga	ggactcgcgt	1440
ggtcagtcctg	ctgtagaaga	ggacacgggt	caggaggaga	cactaccgcc	ccacccgaca	1500
ccgacgcttc	tgccaccct	atctatgctt	ctctctcgct	caccactcct	aaacctagtc	1560
ctgatttatt	agagttgttt	gtttgtttgt	ttttgttttt	taacaaaact	aagaatgaaa	1620
aaaaaaaaaa	aaaa					1634

<210> 9
 <211> 1287
 <212> DNA
 <213> Mus musculus

<400> 9						
atggcagaga	acgatgtgga	caatgagctc	ttggactacg	aagacgacga	ggtggagaca	60
gccgctgggg	cagatgggac	cgaggctccc	gccaagaaag	acgtcaaggg	ctcctacgtc	120
tccatccata	gctccggctt	ccgagatttt	ctactcaagg	cagagctgct	ccgggccatc	180
gttgactgtg	gctttgagca	tccatcagag	gtccagcatg	agtgcacccc	gcaggccatt	240
ctggggatgg	atgtcctgtg	ccaggccaag	tcaggcatgg	gaaaaacagc	agtgtttgtc	300
ctggccacac	tgcagcagct	ggagcccgtt	actgggcagg	tgtctgtgct	ggtgatgtgt	360
cacactaggg	agctggcttt	tcagatcagc	aaggaaatat	agcgtttctc	taagtacatg	420
ccgaatgtca	aggtggcagt	gttttttggc	ggtctgtcta	tcaagaagga	cgaagaggtg	480
ctgaagaaga	actgtccaca	catcgtcgtg	gggactcctg	gccgaattct	agccctggct	540
cgaataaaga	gcctgaacct	caaacacatt	aaacacttta	ttttggacga	gtgtgacaag	600
atgcttgaac	agctcgacat	gcgtcgggat	gtccaggaaa	tttttcgcat	gaccccccat	660
gagaagcagg	tcattgatgt	cagtgtctac	ttgagcaaa	agatccgcgc	agtctgccgc	720
aagttcatgc	aagatccat	ggagatcttc	gtggatgacg	agaccaagtt	gacgtgcac	780
gggttgacgc	agtactacgt	gaaactgaag	gacaacgaga	agaaccggaa	gctctttgat	840
cttctcgatg	tcctcgagtt	caaccagggt	gtgatctttg	tgaagtccgt	gcagcgtgc	900
atcgccctgg	ccagcttct	agtggaaacg	aacttcccag	ccattgctat	ccatcgtgga	960
atgccccagg	aggagaggt	ctctcggtat	cagcagttca	aggattttca	gcgaggatt	1020
cttgtggcta	ccaacctgtt	tggccgaggc	atggatattg	agcgtgtgaa	cattgctttc	1080
aactatgaca	tgcagagga	ctcggacacc	tacctgcaca	gggtggccag	agcgggcggg	1140
tttggacca	agggttggc	catcacattt	gtgtcagatg	agaatgatgc	caagatcctg	1200
aatgacgttc	aggaccgttt	cgagggtcaac	atcagcgagc	tgcccgatga	gattgacatt	1260
tcctcctaca	ttgagcagac	acggtag				1320

<210> 10
 <211> 53106
 <212> DNA
 <213> Homo sapiens

<400> 10						
atcttttatt	atcaattatc	aataaaactga	gtaaaataaa	tgttttcagg	ggaattttctc	60
tcagccagcc	ttaccagggg	atgatgggag	aggggtgggg	aggtgaaccg	gcaacaacta	120
tggccggcgg	cagagcaagg	tctttccaaa	tgactgctja	cctagggcag	gggaaaggga	180
gtggagtgtg	acagagggtc	tcacccatgg	gctgagagaa	aacaggagag	gaaccgacgt	240

tectgaactc	cccttttctt	cagtcccaac	cttgctgcat	ctggcccaag	gttagctgag	300
tgccatgcta	cttccttcac	tgccaaccca	ggcatcctgg	ccaggcccac	ctgctgtggc	360
caccaaccac	ctcttttact	tgggggatag	aagaagggga	gggaggcagc	cttccttcct	420
gtggacctac	tttctttccc	cggggtaaga	ggaaatgggc	tagcagtcct	taaatcttta	480
tttggtagt	ctggaaagta	ctgtttacct	ggcagaaagc	tggaataggg	gaaggcaagg	540
ccaggaaggc	aagaagacag	aatggcccg	gtgtggctgg	cgaaggccca	ccatccctac	600
ccaaatcaca	tcagggttgg	tggggggggc	acttctccct	agtgtgtctg	tgacctgtca	660
cagaccctct	caacttgtec	caccagaaa	gtacctggtc	ctgtctctca	ttcgcttggt	720
ccccacctga	gctcagggtg	tgagcatggt	gagtgtctag	gcttgcatgg	gaggtttaca	780
ttcatagggt	ttaaggagta	gggcctccaa	ctataaaaa	ataatattaa	acagccacta	840
caactgaggc	atgtgtttga	aaaaagctgg	ctacaaaact	gtagagagga	tcagatgtgg	900
ccaggcacgg	tggctcacgc	ctgtaatccc	agcactttgg	gaggctgggg	ggggggacaa	960
tggatcacia	ggtcaggagt	tcaataccag	cctggccaag	atggtgaaaa	cccgtcttta	1020
ctaaaacaaa	caaacaaaat	atatatataa	ttatatttta	tattatatat	aaaattagcc	1080
aggcgtgggt	gctgacgcct	gtaatcccag	ctacttggga	ggttgaggca	gagaactgct	1140
tgaacctggg	aggcggaggt	tgcatgagc	cgagatcgcg	cctctgcatt	ccagcctggg	1200
tgacagggtg	agactctatc	tcaaaaaaaa	aaaaaaaaaa	aaaaaagaga	gagagagaga	1260
ggatcagata	ataactgtct	aaaacaagag	accaaactct	atggttgga	aaaaagaggc	1320
cgggcgtggg	ggctcatggc	ctgtaatccc	agcactttgg	gaggctgagg	cgggtggatc	1380
acctgaggtc	aggagtccga	gaccagcctg	gccaacatgg	tgaaaccctg	tctctactaa	1440
aaatacaaaa	attagccagg	cgtggtagca	tgtgctgtga	atcccagcta	cttgggaggc	1500
tgagtcagga	gaatcacttg	aacctggaag	gcagaggttg	cagtgtgctg	agatcatgco	1560
agtgcactcc	agcctgggca	acagagggag	actcccatct	caaaaaaaaa	aaaaaaaaaa	1620
gaaaaaaaaa	agactggcaa	aaaatatgta	aaaattctag	cctatgggtg	gtggggctgt	1680
aggtggcttt	tcccccaatt	ttatttgaca	ttttaatgtg	aaagggatat	aattaagtctg	1740
aaattttctt	tttaaagaag	gacgaacaaa	tttgataact	attaacagt	tactgtgatc	1800
ccttccagtc	ccaccttggt	gtacctaaaa	gcatacatat	gacacattta	tttgagagata	1860
tgtaaccata	ctacaaatat	tgcttgga	cttgcttctt	tcatttaaca	tctcatttat	1920
atttttccac	aggaatatat	acagtctacc	tcatactttt	tgacgacttt	ataattagtg	1980
ttccactgtg	tgtacaaaac	aaatctcctt	acccaatat	cgatagactt	tgtttcaaaa	2040
aatgttcagc	ctcatgagta	tcttacagtc	tttctgtggg	ggtagatttt	cataagtggga	2100
atttctgagt	caaaggacat	gcgcaatttg	gtcaaactgc	tctcaataag	tttgtgccaa	2160
tatacaagt	tgcttatgtc	ttcctttacc	aaaattgaat	atcatcaacc	cttttaattt	2220
tgccagttgg	atagattaaa	aaattatttt	attaacaatg	tttttttctt	tttcatgtct	2280
tttggtctat	tgtatttttt	gtgaatgaat	tgctcatatt	ctttatccac	tttttctttg	2340
gaaattatat	atattgatat	gagggttcta	tatactgtat	gtgttataca	tattgcaaac	2400
attttctttt	atctatcttt	aaaaaagcct	tttttttctt	tttgagacaa	ggctctaccc	2460
tgttgcccag	gctgcagtgc	ggtggcatga	tcttgctcac	tgcaaaactct	gccccacctg	2520
ggctcaagcg	atcctccccc	ctcagcctcc	tgagtaactg	ggactacagg	acgacagcca	2580
cgtaccacca	cgcctggcta	attttctatt	ttttgtacag	accaggctct	actgtgttgt	2640
tcaggctggg	cttgaactcc	tggctcaaag	gatctgccta	ccttggcata	ccaaagtgtg	2700
ggattacagg	tgtgagctac	cgcacccggc	ctaaaaattt	catgtagtta	aatctatata	2760
aatatattat	tttctgaact	tttattttcc	ttcactctta	ggaaggctct	attttaagat	2820
tataaaacat	tctctgcatt	ttctttctac	acttttagatg	tatactcatt	tttattttta	2880
gaaattaaaa	aactcggcca	ggcggggtgg	ctcatgcctg	taatccacgc	actctgggag	2940
cccaaggtgg	gtggtatcat	aggtcaggag	ttcaagacca	gtctggccaa	gatggtgaaa	3000
ccccgtctcc	actaaaaata	caaaaattag	cctgacgtgg	tggcggatgc	ctgtaatccc	3060
agctacttgg	gaggctgagg	cagagaactg	cttgaacccg	ggaggcagag	gttgacgtga	3120
gccaaagatt	cgcgactgga	ctccagcctg	ggtgacagag	tgagactctg	tctcaacaac	3180
aacaaaaaag	aaattaaaaa	actctcaaaa	atacaaagta	taatacaata	cacaacccca	3240
ttcctaccac	agggttttgt	aatgtactgt	catgtttgtg	gtataattta	ttttaaggaa	3300
ataaaatcat	cacagataaa	ggtagttttac	cgtgataccg	ccttccaagt	ttcattctct	3360

cccaggccat	ctgtcccatg	aatttggtgt	gtaccttctt	gtcatattca	ggattttaat	3420
ctgttggaat	ttactttttg	attaggtgtg	aggtgggact	cttgtttttc	cctagatgag	3480
ccaaatgttc	caatattatt	tataaaatag	ttcacctggg	caggcacagt	ggctcatgcc	3540
tgtaatccca	gcactttggg	aagctgaggt	gggtggatca	cctcaggtca	ggacaggagt	3600
ttaagaccag	cctggccaac	acggtgaaac	ccccatctct	acaaaaatac	aaaaattagc	3660
tgggcatgat	ggcaggtgcc	cagctactca	ggaggctgag	gcaggagaat	tgcttgaacc	3720
cgggaggcgg	aggttgtagc	aagctgagat	tgcgccattg	cactccagcc	tgggtgacac	3780
agcgagactc	tgtctcggaa	aaaaaaaaaa	aaaaagttca	cctttctcca	gtattagaaa	3840
tgcccccttt	aggcctggcg	cgggtggctca	cgctctaat	cccagcattt	tgggaggcca	3900
aggcgggcgg	atcatgaggt	caggagttcg	agaccagcct	ggccaacaca	gtgaaacctt	3960
gtctctacta	aaaatacaaa	aaattagctg	ggcgtgggtg	cgggcgcctg	taatcccagc	4020
tacttgggag	gctgaggcag	gagaatggct	tgaacctggg	aagcggagct	tgcaagtgagc	4080
cgagatcaca	ctactgcact	ccagcttggg	cgacagaatg	agactccatc	cccacttcg	4140
ccaaaaaaaa	aaaaaaaaaa	aaaaaaaaaga	aatgccgcct	ttatagcgat	ttaccagatc	4200
aaccgttctc	aatgctcttt	aatacgcctg	agtttcatac	taagaaaaat	aaacataaaa	4260
acattttggc	caggcgctgt	ggctcacgcc	tgtaatccca	acactttggg	aggctgaggt	4320
gagcagatca	caaggtcaag	agatcgagac	catcctggct	aacatggtga	aaccccgtgt	4380
ctactaaaaa	tacaaaaaat	tagccaggcg	tgggtggcata	cgctacagct	ccctacgcct	4440
atagtcaccag	ctacttggga	ggctgaggca	ggagaatctc	ttgaacctgg	gaggtggagg	4500
ttgcagttag	ccgagattgt	gccactgcac	tccagcctgg	gcgacagaat	gagactcctt	4560
ttcaaacaaa	acaaaacaaa	acagaaaaca	aaaacaaaac	caaaaagacat	tctgtgggat	4620
gggcacgggtg	gctcatgcct	ataatcccaa	cattttggga	ggctgaggtg	ggtggatcac	4680
ttgaggtcag	gagtttgaga	ccagcctggc	caacatgttg	aaaccccatc	tctactaaaa	4740
acacaaaaat	taggtcgggc	atggtggctc	atgcctgtaa	tcccagcact	ttgggaggcc	4800
gaggcaggtg	gatcatctaa	ggtcaggagt	tgcagagcag	tctggccaac	atggtgaaac	4860
cccatctcta	ttaaaaatac	aaaagttagt	cgggcctggg	ggcaggctcc	tgtagtcccg	4920
gctactcagg	aggctgagga	aggagaatca	cttgaaccca	ggaggcggag	gttgcagtga	4980
gtcaagatac	tgccactgca	ctccagcctg	gggaacagag	ggagactccg	tctcaaaaat	5040
aaataaacaa	ataaaaattt	aaaaattaat	aaataaaaaat	aaaaaaatta	gctgggcatg	5100
gtggtgtgtg	cctgtaatct	cagctacttg	ggaggctgaa	gcaggagaat	cgcttgaacc	5160
caggaagcag	aagttatagt	gagccgagat	catgccactg	cactccagcc	tgggcgacaa	5220
agcaagactc	cgtctcaaaa	ggaaaagaaa	aagggaagctg	gaagctgaat	gagatgggac	5280
tttcaaccaa	ggagttagaa	ggccatctgg	tggcagggct	ggcagaggac	caggagtaaa	5340
taaggccaga	gaggacacca	gggtctggga	gtgaaggcac	tgagcttggg	tccccctttg	5400
gaagacaatg	acctgagagc	tgtgagattt	cagacaagtt	cccgaacctt	ttgggacctg	5460
cttctctcat	ctgtaaatgg	gataatatca	gtctcaccag	cttcttaaaa	ttcaatacaa	5520
tggagttagg	tgtggtggct	cacgcctcta	gtcccgccac	tttgygaagc	cgaggtgggc	5580
agactgtttg	aactcaggag	atgcagaaca	gcctggataa	catagcaaaa	cagtctctac	5640
caaaaaataca	aacaattagc	tgggcatggt	ggtgtgtgct	tgtagtcccc	gtactagggt	5700
aggctgaggt	gggaggactg	cttgagcccc	cgaggtagag	gctgcagtga	gccatgattg	5760
caccactgca	ctccaggctg	ggagacagaa	tgagacctgt	tctcaaaaac	aacaagcaaa	5820
caaacaataa	aggaaatccc	taccacacta	tcagggggat	tttggctgag	cgcggtggct	5880
cacgcctgta	atcccagcac	tttgggaggc	taggctggca	ggtcacctga	ggtcgggagt	5940
ttgagaccag	cctgacccac	acggagaaaac	cgtctctacc	aaaaatacaa	aattagccgg	6000
gcgtgatggt	gcatgcctgt	aatcccagct	acttgggagg	ctgaggccagg	agaatctctt	6060
gaacccagga	ggcagaggtt	gaggtgggct	gaaatcgccg	cattgcactc	tagcctgggc	6120
aacaacaggg	aaactccatc	tcaaaaaaac	aaaacaaaac	aaaaaacaaa	actcccatct	6180
ttgcgaggca	aattgggctc	acagaggtaa	gctgcatgct	cctgttgatg	gcagagctgg	6240
ggtctggatg	caggtctgct	tccgggtaat	ctgctctttt	gccttccagg	gtcctgctct	6300
ttacaatatg	agctgtcaag	ttagatgcct	gcactcagta	aacctactct	gttttaagta	6360
aaaacaacaa	gaaacaaatc	tgaatatgct	agcctatctc	aggtacgtta	aaggaaattt	6420
ttaaataggg	ggttttttga	ccatttgggg	gagtttttgg	ggaggggctt	tctgtctata	6480

cttgagctgg	gggatgttag	ggttggttcat	ctggatctag	aggtttttcc	gtaatgttct	6540
tactccagaa	ggaaatctct	agatggggaa	agaaggtttc	agctttttatt	ctagtaagca	6600
gggctctacc	tataaagagc	tgcttccacc	actctttttt	ttttttttga	gacggagtct	6660
tgctgtgttg	cccaggttgg	aatgcagtag	tgcaatctcg	gctcaccaca	acctctgtct	6720
tccgggttca	agtgattctc	ctgcctcagc	ctcccaagta	gctgagacta	caggtgtgtg	6780
ccaccatgcc	tggctaattt	ttgtattttt	agtacagatg	gggttttcac	tatgttggtc	6840
aggctggtct	cgaactcctg	acctcgtgat	ctgactgcct	tggcctccca	aagtgtctgg	6900
attacaggca	tgaccacccg	cacctggcct	ccaccactat	tataatatca	ccaggttccc	6960
catttgaate	cttcagtgcc	aaagggtttt	cagaattcaa	atgttttttg	gacttgatag	7020
ggctgaccta	aaagtacact	cactctatat	taggtagccc	aggagggcct	aggcagccca	7080
agaaccaaac	acatgagtgt	ttctgcaggg	aaatgtatga	atattgacat	cagtaggatg	7140
aaaataaata	atagtcttac	tttagttcag	attaggtttc	tgtcaccaaa	tgaatttttg	7200
tggcagcctg	atgaaaaatg	ttggttctca	gagtgttttt	gagttagaaa	ttgtggttaa	7260
gggagtatgg	acctgttgat	aacaaaaaca	ggaaccaagg	caggtgtggt	ggctcacacc	7320
tgtaatccca	gcactttgag	aggctgaggt	tggtggatca	cctgaggtca	ggcattcgag	7380
atcagcttgt	ccaacatggc	gaaaacccat	ctcttctaaa	aataataaaa	ttagctgggc	7440
gtggtggcat	gcgcctgtaa	tcctagctac	ttgggaggct	gacgcatgag	aatcacttga	7500
acctgggagg	tagaggttgc	agtgagccag	gatcgacca	ttgcattcca	gcctgggcaa	7560
gaagagtga	acttcataaa	aaacaaaaac	aaaaacaaaa	aacagagaaa	caggaacaa	7620
aatcgccagc	atataccaag	tgcttatcgt	gtgtgccagg	tactctaatt	atgtactatg	7680
tcagttgatt	ctcaaaacat	atatggcaca	acatgggtac	tctgaacatg	ggcacaatca	7740
atgtacaatg	ctataatgta	taacacagga	caatgtagct	gttaaaagca	tggacactct	7800
atctagtcca	tctgggttat	aatctctgct	ctaccagtga	ataactgtaa	ctctggcaaa	7860
tgacttctct	atgccctggt	tcctcagctg	ggaaatgggg	gataatatca	gtactcacct	7920
cctaagattg	ttgtgaggat	taaatgtgtt	actttataag	aaatgtcttg	cacatagcaa	7980
aggttggttat	tattttaatt	tttacacatg	ggcaaactaa	gcctcaagta	acctgtccaa	8040
gaatacgtag	ctatgaagtg	tggagctggg	atttggaagt	gggttttgaa	tccaggcaat	8100
ctaactccag	agcctacctt	ctatgctact	ttttggctac	gagcaaacaa	tctgtcaaga	8160
aacaaagtag	ctactaatct	aaacagatgt	gaaatttgaa	gaccagttga	tctttgggga	8220
atgttgggtt	cttcagacaa	tggtagctca	gtaatgtaaa	gggacaaatg	acagccacat	8280
gccaaacttg	ttaactcctt	ccctaggtcc	tgatgaccaa	ataaccagct	tatttctcaa	8340
ctattgggtt	gctttcattt	caggtctggt	cagctgctta	tgaccttggt	cccactgag	8400
cagactcacc	atctggggcc	tggcgggcag	cagcatgcag	tggcgtgtcc	ccatgggggt	8460
cctggtgggc	aggttcagcc	ccgagccgaa	gcagcaggca	cagggcaggg	gcctcgtggc	8520
gggcacaggc	ccggtgcagt	ggtgggggct	gccagcctc	tacatcgagg	cctgggtgtc	8580
gctggaggag	ggcctgggcc	cggaccagcc	gtcctgcaga	caagtaacga	cgaagcgac	8640
gttctcggcg	ttggcggcgg	gaagtggagg	ccatggaaat	cttgggcttg	ggaaggaaaa	8700
aaggcagcag	tcaggacttc	agccttgggt	ggtccttctc	cctccatctc	tgacatcccc	8760
tgttgtttct	ccctttgggt	cgtctttttt	ttaatatctt	cagcaagaga	tgaggccctaa	8820
cctaaccctg	atcctttatc	agatgataga	tttgaaaaaa	aatttttttt	gaggggggtg	8880
ataggatcag	aggtttaatt	tttttaattg	aaaattcgag	aaaagggtta	ataattggtt	8940
taaggctcag	gagccaggtt	aaatttttaa	tttttaacaa	agaactttta	aaaaacccaa	9000
cagggccgga	tggggaaaat	ttttatcagc	agaaatctga	gttttaaaaa	gtcacagata	9060
atctccaata	atgatctaga	aattgaatat	catgtacccg	gcagacagat	gtggagggtt	9120
cttctctctg	aacctggggg	gaggggttac	tcctcagacc	tgcctccgcc	cccccaagta	9180
ccccagagc	cgtaggccca	aggcctgtgt	ttaagaagct	cggagacggg	aggcgggaag	9240
ggggagagca	ctccaggtct	gaggaaatgg	cgcagccaga	gacgcaggtg	gaggacggaa	9300
gtgaactgtg	aggggcgtta	cgggatgtcg	ttccgccccg	accgggtagt	tcttggccag	9360
atctcccagg	ggaaactagg	gaacttaaat	ttaaaggggc	gtctgaaaac	agaagactgg	9420
actggaggcg	aggaaaagg	ggcgagggg	ggggagggg	aaaagagagt	tatttggagg	9480
tttttccccg	cctcctctaa	cttggcagag	agaggagatg	gttcagtgat	ggacgaaaag	9540
atgagaagac	agagaaaata	gaggagataa	agacaggata	aaaatcacat	taaacatgga	9600

aaacaaaaac	aaaaaccaca	gtgggacaac	aacaggggaca	gatcaaaaaa	aagaaaaaat	9660
acagacaaaa	gacggaagaa	gactatcgta	ggatggggca	agtgagatgc	aaaaatttgg	9720
acttgagaaa	tatgtagaaa	aagatggaga	tgtaacaac	gggaggcagg	ggagggggcg	9780
ggatggtgga	gagagagaga	aaggtagaga	gttagtttag	aattaagccc	agaatgctct	9840
tttcccaaca	caggttgcat	gatgacatcc	ttaccttttc	accgcattca	caacccttta	9900
tgcttctctc	gttaccacca	atcaagttct	ccttctctca	cctcagtact	cccccgctct	9960
cgccctgcc	tcatccctag	acctttccga	ctgggatggc	taacctgttg	taagcccgca	10020
gctttgggcc	tggtctctgc	tgctcccagg	cggccctttt	gggtactgcc	tgagcaagaa	10080
gtgctggaga	ggaggaccag	tcatcaatag	gaggatgaga	ttgggagaga	cactcggtgc	10140
aggaggctga	gtgagcaggg	gagcactaag	accaggggt	agtggaggac	tgacagcaacg	10200
agctggaggga	ggagaagtaa	gcggtggggg	gtgggagcca	tctggtactt	tgacagcatt	10260
caaaacagca	tggccataa	caacagaaat	ggccagtcag	tccaaggta	tccagcagct	10320
tctgcaagct	gagaagcggg	cagctgagaa	ggtggcagat	gccagaaaaga	gtgagtctcc	10380
tctttctctc	cttaggagtt	tggaaagaaa	attgggggtg	ggggacagca	aacatttttg	10440
gaaaacccaa	ggctggcggg	aagacagcta	gggtctggag	gctgggttagg	agggaaagaaa	10500
tgatgggata	ttagaatctg	gcacctgggt	ggctgagaga	aggctgtata	actttctgga	10560
agggactgac	tctgtctatt	acattgtgtg	tgtgtgggtc	catccccact	cactgtctct	10620
tcttctgctc	ccagggaagg	ccgggcgact	gaagcaggca	aaggaggagg	cacagatgga	10680
ggtggagcaa	taccgcagag	agcgagagca	cgaattccag	agcaagcagc	aggcgggtgag	10740
ttgaggcaga	gtcgggatga	gaccccaactg	caagttgggtg	ggtgcattcta	gtgaggtgtg	10800
taagggtgac	tcaacaagaa	aatatggtgg	cagagggctg	aggctgaggg	gaccctggca	10860
gggaccacaa	cattggtgaa	actttgtgat	gatatgtagg	agagtctggg	agttttgaag	10920
gccacataga	gcttgtgggc	ggaatgccac	agtctgtgta	aagtataaca	tctatgtgga	10980
gtatgattaa	catttgtggg	ggagggtaga	gttttatggg	catggatggg	gaggtgggtg	11040
ggatattacg	gtctgtttta	ggatgaagtt	gcatgttagg	tctaagggga	aaggggactg	11100
tgttgatctc	tttgggtgtg	ggatatttct	gtgggatggg	ggtgggtttct	gagagggcct	11160
ttctctctagg	ctttgtttca	ggatctttcc	cctcatatgc	ctggaccctt	gtctgtttct	11220
gcttttccct	ttctctcttc	cacccctctc	cctacccccc	aggccatggg	ctcccagggg	11280
aacctgtctg	ctgaggtgga	gcaggctaca	aggcgccagg	tgacgggcat	gcagagctcc	11340
cagcagagaa	accgagagcg	tgtcctggcc	cagcttcttg	gcatggtctg	cgacgtcagg	11400
ccccaggctc	accccaacta	ccggatttct	gcctagggcc	accgtagggc	ctgactcctt	11460
ctgccagttc	cctccctcaa	agaaatcctc	caatcaaaat	caactcccaac	cataatccct	11520
gtcttctttc	catcccttag	aaatcctggg	aggcaggatc	caataatttt	cctgtgacac	11580
ttataaatat	cctgctcaca	tctgaatctc	ctgtttgttc	tttaaccctc	actgggaactt	11640
tgtaaaacttc	caagtcattc	tcacctaaac	cctctgtgaa	atttgttaata	tggggaagta	11700
ggaatgtgga	aaacatcctg	acttcagttg	ctggccgatg	tgggtccctc	tcttgacctt	11760
gtcaacttgc	ggctgtgaaa	ccaggacaag	ctacttaact	tggtagcctc	gatgtgcctc	11820
tctgtgaaac	tgggatgata	ataatgccta	ccttgtgagg	gttgcttcaa	tgattaggaa	11880
tcattctgta	aagtctagca	cagttccttg	catgtttag	cagtgaattca	gtaagtagca	11940
acctgtgtat	actattacca	ccacctgtct	actggtcaaa	acctacacag	ctgtttctct	12000
acgtccatca	ctggctctct	aattccactt	gttcattctg	tgacctaggt	tattttctga	12060
aaaattgggt	cttctctttt	ccagagagcc	ttctgatctc	caaaaagagg	agatgactac	12120
atthagcccc	tctcttataa	ttccaggtag	ataactgcac	ttgtagcct	ctctttgttt	12180
ttctcttgc	gatctttgtc	tttattagat	ttctccctct	tctatctctc	ccaaagactt	12240
atcagatgct	cattgctttc	taagatctaa	aatgatactg	tgctccctca	tatgcagtc	12300
cttcccttct	atatccttga	caccttaact	tccattgta	acaataaaaa	aagtatcaat	12360
aaaataatta	ttggcaataa	aattggtgag	ttgaagcagc	ctccttttgc	ctcatcattt	12420
ctcattctca	gtcactttgt	tttttttttt	tttgagatgg	agttttgtct	ttgttgccca	12480
ggctggaata	caatggcgtg	atctcagctc	attgcaacct	ctgcctccca	ggttcaaggcg	12540
attctcctgc	ctcagcctcc	caagttgtct	gaattatggg	tgtgtgccc	caagcctggc	12600
tattttttgt	attttttagta	gagatggggg	ttcgccatgt	tggtcaggct	ggtctcaaac	12660
tcttgacctc	aagtgatcca	cctgccttgg	cctcccaagg	tgctgagatt	agaggtgtga	12720

gccactgtgc	ctggccttca	gtcactttct	tgttttttgt	ttacatattc	cctaaacagc	12780
ccaaatggct	atcctttgaa	acttcttgga	gaaacaagaa	caagtagtac	tttattattt	12840
ctctaaagtg	agaaacatgg	ttcctcattt	gggaatctga	ggactataga	tcgcaactgt	12900
agagaaaagc	tggagtgtag	gagcaagtgc	tctttgcccc	tttaccttgc	attttcttca	12960
tagcacttac	tgctactggt	tttttgagac	aaggctcctgc	tgtgttgccc	aggctggagt	13020
tccagctcac	ggcagccttg	acccccctgga	ctcaaagtat	cctcccactt	cagcctcctg	13080
agtagctggg	attacgggcg	agtgccacta	tgcttgctta	atttttaaata	tttttgtaga	13140
gatggggtct	cacttgccca	ggctgggtctg	aaactcctgg	gctcaagcaa	tccttcgggc	13200
tcggcttctt	caagggttgg	gttacaggcc	tgagccactg	caccctgacc	acttatcgat	13260
acttgacatt	atatttgtgt	ttatgtgttt	tctttcctgt	aatgtaaaca	ctgtgagaac	13320
agggtctgtc	accgttgtgt	cccagatcc	taggacaaca	tgtggcacaa	gggaggcagt	13380
tgataaatac	ttttgaataa	attaaatgat	acttgggaaa	ataccttcta	tgacaccatt	13440
cttgaattag	ttacttcatt	tgtcactgaa	gacaagctta	cttcaccaag	aatttgaacc	13500
aataaggtaa	cctgcagtgt	atttactaac	cagattcttt	gagcagggag	gcagaatata	13560
atagagaatg	agagatgttt	gcacctctggc	tgtaacctca	ccagccgtac	tgcttgagat	13620
atgttgcttt	gcttcgcttc	tgtcaataag	atgagaataa	cggtagctac	tccttagtat	13680
taaatgatta	agtatgttaa	caggagagag	gccaaacgtt	tgttgtttta	ttacacagca	13740
ggacatcagg	tcttactttt	gtggctcccc	atctcaaaga	cggggatagc	aaatgtttca	13800
ttcaggaaaa	aaatccagggt	tgaacaatgg	ggctgttggg	gcggggccaa	gaacattctg	13860
ctcgaattaa	cagtattaat	gggccggggcg	cgggtgctca	cgctgtaat	cccagcactc	13920
tgggaggccg	aagtgggtgg	atcacctgag	gtcatacatg	ggtgaagccc	cgtctctact	13980
aaaaaaacaa	aaatttgcctg	ggcgtggtgg	cgggcgcctg	taatcctagc	tactcgggag	14040
gctgaggcag	gagaatcgct	tgaaccgggg	aagcagcggg	tgcaagtggc	cgagatcagg	14100
acattgcact	ccgcctctgg	cgacaggggcg	agactctgtc	tcaaaaacaa	aacaaaaaca	14160
gtattaatgg	aatgtagtat	aaccctcaag	cctactatt	aacacttggg	gccgaatcca	14220
gaccccgctt	tcccgtctgg	attcagaaca	ccttcttgac	tcactggccc	tagggcatca	14280
gctacctcgg	acagcactct	tttgggaaaa	taccgcccac	cagccccaag	actgggaaag	14340
agtcgggaaa	caccccccag	caatccagtt	ccttgagact	tcctctctcc	ctccccctag	14400
ctagggcctg	cgggttctta	gtgcgtgccc	agcagtcctc	aggtcacctt	cactaccggg	14460
ccaaggaccc	cgtgggaact	cgcagccttc	gccacactcg	ttctctcgcc	atccacggag	14520
gggtgcctac	agagaagacc	tgcgtggcaa	aaacctaaac	gaagagatga	ggggcatgga	14580
gaggagttag	ataagagaat	aaagataaca	gtggggggga	gacgttagtt	tcctttatat	14640
cttttggttac	tggaggttagc	agtgaagtta	gaaacggttt	taaaacaaat	ttcagacagg	14700
cattttccaa	aggcaagcct	ggagcgcacg	gatctgtata	accgcggaag	gccctgtttc	14760
cggctccctg	cgcctgcgct	cttgacgcca	agaaggcggg	aggctggagt	agagggaagc	14820
ctgcaacggg	aagtgaaggc	agatttccct	ccttgcctgc	tgttgctgcc	gccatacgcg	14880
ctctccctgt	ttaggttaagc	tttggccttc	gctacaatcc	gtttccatct	gcgcttctcc	14940
gcacccatcc	cgtcacatgg	gttccctgata	cccttttccac	aggcgatggt	ctggctcctg	15000
gggcctagtt	ggttgcctat	ttccttagct	tgcacccctt	tcgagagcaa	agagctcctg	15060
ggggaaggaa	gggaagctaa	ggggggaccc	aatccaaagt	ggtgtccctg	gcgccattgt	15120
gttcgttttg	ctcccttctt	ccaatgggtt	cttctcatat	tggaggccctc	agcatcaatg	15180
agaggcgggtg	ctcggcgctcc	cctgggtcttg	gtatttgcgg	aggcgcggggc	tcttctccac	15240
ttccttggttc	tttcttgagc	tctttttcgg	ccctcggctg	gactgggagg	aggagctggt	15300
ttctggggccc	agttggattt	ttctcacctt	gacttgccca	acttaatttg	gagtgccttc	15360
caagtgttta	cgatacgatt	ggtgtcattg	tatgtttctc	caaaaggagt	ctcaccttcg	15420
tagcgttaaca	gtgatgtgag	accacttgggt	aaagatccctg	ttaaagccctg	ggcgggggatt	15480
gcctttctct	gtcacctatt	agctttcttta	ttgtagggtg	gagacatgaa	ttttgttttt	15540
ttgtggccga	gcbatttgtc	ttgcacggcc	cctccccccc	atgctaatta	cacaaggctt	15600
gcttaaacag	cggaaaggag	gatactgaga	agtgggaggc	tgagagctat	gggagggtga	15660
cggcggccat	atgatgtttt	cttttcgaaa	ggtgagcgct	ttgcgcagtg	atgaccccca	15720
tctatcaccc	ttgactgatg	gctgctgagt	taggcaccca	taacgggtgg	attataatag	15780
ggaaagcgga	gtcttctctt	gaggactttt	caggactcta	cttgtcatct	ccatttttcca	15840

ctttactaag	ttattagtca	tattttacct	tttattatct	attctatttc	ctcactgtta	15900
ctttcagatc	aagaatttat	aagttggtct	tccccttcca	acttttctgg	tttccgctac	15960
tgtgattgct	aatcttggtg	ggaacctctg	tcctaaccac	tttccctggg	actgcttttt	16020
ctgttctggt	atatttgctt	ttcgttttta	tgttttgtat	ctgtttttct	ttccaggtaa	16080
aagtttctctg	gttttagggaa	agtgggaact	ggggatggaa	aaatgggtgaa	ggctgtgctc	16140
gtgattaagt	cttgcttttt	ttttccccc	tccagctctt	ctgttagaaa	tagtatcttt	16200
gttttccttt	gctgttcctc	aatccctac	tcttcacccc	ttgttttcac	ctattttgcg	16260
agaacccatc	cagatccccc	ttcccttctt	cccttgccgg	cccagttatg	gcagagaacg	16320
atgtggacaa	tgagctcttg	gactatgaag	atgatgaggt	ggagacagca	gctgggggag	16380
atggggctga	ggcccctgcc	aagaaggatg	tcaagggctc	ctatgtctcc	atccacagct	16440
ctggctttcg	tgacttcctg	ctcaagccag	agttgctccg	ggccattgtc	gactgtggct	16500
ttgagcatcc	gtcagaaggt	aaattttctc	ttgggcatgt	agtgtctatt	gggctcttta	16560
agggtagaat	acaaagatgt	gtttgtcgtt	gctcaggtgg	tggttaaggg	ttatacttaa	16620
ggctagatca	gggccagggtg	cagtggctca	cgctgtaat	cccagcactt	tgggaggccg	16680
aggcaggagg	gtggccactt	gagctcaaaa	gtgcaagaga	agcctgggca	acatagcgag	16740
actcctgtct	ctacaaaacg	ttcagaaaatt	aagcaggtga	aggttgaggc	ttcagtgagc	16800
cgtgattgca	ccactgtgca	ccagccgggg	cgacagtga	gaagaaaaaa	tggggataag	16860
tatcaaaaac	aattttggat	agaggaggct	tatacaggct	tattctttct	ttcgtgatag	16920
caccaaagtg	ctaattgatcc	aaaagtgaact	tccaggtctg	ccattcattc	ttgtgactgg	16980
cttttcttgt	ctgcttattt	ttaattttgt	cacttgactt	ctaattttta	atttccagaa	17040
aggtcctgct	tggacctgta	gtctccctct	gttgggccag	gccaactgtg	gtctctggaa	17100
acctctatga	ctggttttaga	gatgactggc	ttctgggtca	ggtaccaagt	ccttcatttt	17160
gtccagggtt	gtagtagtta	cgtgaccoga	agtatagcaa	cctaagcagg	agaagtggct	17220
tgtggcagggt	attcaaatgt	catgaattgt	tacagattaa	gaaaaataag	gacagagcta	17280
ggatcattga	aggtgagcgg	ttggtagatg	caaggggttt	gttactagga	ctgggaaggc	17340
ctagatctgg	aggaggctaa	agctaggagg	aattaggaga	gtctgatttt	gaggtgaatg	17400
taattgagca	gagagaggta	aaatgggtct	ggaagttggc	aagaaccagg	taaatactag	17460
actttgagaa	ttgagtggta	agaaatgggc	ttggcatggt	gaaaaaggta	gagttatctg	17520
gagactgaag	tctaatttat	cttcctcccc	ccccacttt	tagtccagca	tgagtgcctc	17580
cctcaggcca	ttctgggaat	ggatgtcctg	tgccaggcca	agtcgggcat	gggaaagaca	17640
gcagtgtttg	tcttgccac	actgcaacag	ctggagccag	ttactgggca	ggtatatattg	17700
gggagagtgc	tggggagggg	attttggtta	ggactataag	ggaaggggtg	ttttgtccta	17760
actacatgat	gcttgagag	ccatgagcac	atgacctctg	ttaccttga	caacctgaca	17820
gctgtggggg	atgttctgtc	gcaagcgtgg	ggttcatgat	ttagatcaca	gaattgaagt	17880
catttattat	cggcccagggt	gtgtttttgt	gacagtcact	tccctagagg	ggataatgaa	17940
gagctacatt	taccatatgt	ctcgtataac	ttcctgcta	aggtgtctgt	gctgggtgatg	18000
tgtcacactc	gggagttggc	ttttcagatc	agcaaggaat	atgagcgctt	ctctaaatac	18060
atgcccaatg	tcaaggtaag	ccaaggtaaa	gagacctgag	agtgaagggg	tggcaagttg	18120
gagggataag	aaacttgtag	gccaatagtc	tctttaattt	tggagaagct	ttagtttgct	18180
gtggtgtaac	agagtgttga	gttcctatgt	aacaggagga	ttcgttaattg	ggctatggat	18240
gatgcttaac	acaagaccac	ccttttctta	ctactttata	ctgactttga	atcatatcag	18300
tttaataatt	ttgggggtatg	tggcagagaa	agccggaaaac	tttaaaaacag	ctccagtggg	18360
gtgtgaatat	tgaggattct	ggccaagtgc	acaatggctt	acacctgtaa	tctcagcagt	18420
ttgggaggcc	aaggcgtgtg	gattattttga	ggtcaggagt	ttaagaccaaa	tgtggccaaac	18480
aggatgaaaac	cctctctcta	ctaaaaatgc	aaaaattagc	cgtgcattgg	ggcacacacc	18540
tatagtccca	cctgcttggg	aggctgaggc	aggggaatcg	cctgaaacca	ggaagcagag	18600
gttgtagtga	gctgagattg	tgcattatac	ctccagcctg	ggtggcagag	tgagactccc	18660
atctcaaaaa	aaaagaaaaa	atctgattga	agttaagcat	ttttggcaag	aatccttcat	18720
aggtgatgct	gtatctcctg	ttatgcacaa	aatctggctg	acttatgtta	gttattttat	18780
tttattttta	tttatttggc	ttgagatgga	gtctcgtctg	gtccttcagg	ctgtgagtgt	18840
agtggcgoga	tctcagctca	ctgcaacctg	cgctccccc	gttcaagoga	ttctcccgcc	18900
tcaacccccc	gagtagctgg	gactacagtg	tgcacatcatg	cctggctaatt	ttttgttttt	18960

ttttagtagt	gacagggttt	cgccatgttg	gccaggctgg	tctcgaactc	ctgacctcaa	19020
gtgatccacc	cacctcggcc	tcccaaagtg	ctgggattac	aggagtgagc	cactgcacct	19080
ggcctcatta	atgattttag	atttaccata	ggattagcgt	cgtgacagtc	tgattccaca	19140
gttgttcttt	tcccccttga	aaccagaaag	tagtttctgg	tgttatttga	tactgtacca	19200
aggcccagat	ccccaacaaa	ctattcacct	aatggtttta	acatgaaatg	ataatattta	19260
gcccgaagca	gtaatttcat	ggggtttgtg	tgaaaagagt	ttgagattct	gggtttattt	19320
aggaacacct	aatgttccat	gtgttttttg	tggtacttta	cactaatctg	gtgatttctt	19380
gctgtccttt	atttatttat	tttttatttt	ttgagatgga	gtctcgctct	gtcatccagg	19440
ctggagtaca	gtggctcaat	ctcgccctcac	tgcaatctcc	acctcccggg	ttcaagcgat	19500
tctcctgcct	cagcctcctg	gctaaatttt	gtattttttg	tttttttagta	gtaaattttgt	19560
aaattttgta	ttttagtaga	gatgggggtt	caccgtgttg	gccaggctgg	tcttgaactc	19620
ctggcttcaa	gtgatccact	tcccttgacc	tcccaaactg	ctgggattac	aggcgtgagc	19680
cactgggcct	ggctttattt	tatttttatt	tattttattt	ctttttgaga	tggagtatca	19740
ctcttgttgc	ccaggctgga	gtacaacggt	gggatcttgg	ctcaccacaa	cctctgcctc	19800
ccaggttctc	gtgcctcagc	ctcctgagta	gctggaatta	taggcgtgtg	ccaccacacc	19860
tggctccttt	attttttaaa	tgaagcctgg	cctcataaat	gaagggaagt	ggttagatta	19920
agtcagtaga	actgaattat	tgtcctgact	gctccgacta	gccatgtaac	tttaggcaat	19980
cacctcagat	gtttggtggg	ggggacataa	aatttttaaa	ttaggtgacc	tctaaagtta	20040
gttttagttt	ggaaacatgc	taaaaatttg	tttagctcaa	acagagtggg	aacctggggg	20100
ggattggact	ctttccttcc	tctgttttga	gactctttgc	ttctggctcg	gcaggttgct	20160
gttttttttg	gtggctctgc	tatcaagaag	gatgaagagg	tgctgaagaa	gaactgcccg	20220
catatcgteg	tggggactcc	aggcogtate	ctagccctgg	ctcgaaataa	gagcctcaac	20280
ctcaaacaca	ttaaacacct	tattttggat	gaatgtgata	agatgcttga	acagctcggt	20340
gagtggcagt	gctggggcct	ggctaattgt	ggggagttgt	tctttggagc	caaatgatgt	20400
ttatttgaaa	caggagcacc	tcagtgcagg	gacgactctt	atctatcacc	catgactgat	20460
ggctctgggt	tccctgggtg	gtctttatta	tgcttttaag	cacagtaaaag	ggtgtcatct	20520
atcatctttc	tatgattttt	gttttttaac	tttgagaata	ggggactttg	ataattttag	20580
gcataagtca	tcaccaccac	caccgttttc	attatagatt	catatactgg	gagtcatagg	20640
ggagattcta	aactgaaaga	gaagacagta	ccttctctgg	atctccagca	cagcatttac	20700
agtcagaatt	tatagctgaa	taagtgtcta	gactcaggtc	tgggattaat	gtagagagtg	20760
tttgtagcag	tttgtgtgat	gtggtattct	agtgtgccag	gtgggggttaa	tggaagattt	20820
ttctgtaaga	attgaatctt	ggtgaatgag	agtgggggtg	gacataggcc	ccataagtca	20880
ttacaaatga	tctttggcaa	ttctatatgg	tgagctataa	aggtgggctc	caggtaggga	20940
tgtcatattt	gcctgacttg	atagaaaagt	aatccagaga	gtcatagatg	gactctgata	21000
tctggaatat	aatatgtgct	tgatatttgt	agtctgctga	aggctggctg	gggcttgggc	21060
aggaaagggg	tgggagaagg	tcccataaag	catgttttga	aggccttgag	agcctctgca	21120
ctgggcttta	tcccatttcc	atagttggga	acttttgggt	tttaaccttat	ttcttgcttg	21180
gttaaaaaca	acagctggaa	tctgatccca	cttcttgatt	ccaagtccat	tgctctttcc	21240
attgtgttgt	tactatttcc	agcaatcttc	acctcactgg	gaagtctacc	tctaatcttt	21300
gtttatcata	cctgcttatt	ttctcctaca	atttttttcc	ttgtttcttg	agacatgcgt	21360
ogggatgtcc	aggaaatttt	tgcgatgacc	ccccacgaga	agcaggtcac	gatgttcagt	21420
gctaccttga	gcaaagagat	cogtccagtc	tgcgcgaagt	tcattgcaaga	tgtaaatacc	21480
cttctacctt	ctctccctcc	actccctggc	cgtctgctcc	tccccttctc	cgccctcttc	21540
ctcagaactcc	cttgctcatc	aagtgcacag	aaggcggctt	gtgcccacac	gggagtaatg	21600
actccttgaa	gagacataca	gaagcagaga	cagctagtgt	tagggcctgc	gggggtgcca	21660
gggaaaactcc	ggaagacttg	gtcgggttaa	tgtgagagcg	ggtagtgttc	gactttttca	21720
taaaacacaa	cattttttgaa	cctctctctc	cctcggggga	gggcaggatt	ttctctgcct	21780
accacccacc	catccatcgt	ctcttaccat	cacccatacag	ccacgcaccc	tcaagggtggc	21840
atcgagcata	cagctggagc	ctctgtgtca	ccaaaactcc	tacttcccgg	tggcaggaga	21900
gcaagagagg	gacagacaga	tggcagggca	tgtccaaaag	aagagcatca	gcacaaatga	21960
atcctccctt	tcccacctcc	caggggtggg	ggccttttgg	acctcaatcc	cogataacct	22020
actccttccc	accacatctt	ccttgcaacc	atctggaacc	tcggttgatg	tgagccggca	22080

acagagaagc	accgtggcgc	ggcgagggaa	tgcagacggc	accagcggt	ggatggcggc	22140
agcggaggcc	gcggggaaac	ctgaccagga	agctgaggac	caaaccagcc	tctttttccg	22200
ttcccggttt	ttttcctgaa	cccaacgcgt	gccgtgcccc	gtttccccc	atatgtgttg	22260
gggaggggtg	tcctgaatgg	ggtggtagat	tttttttctt	aaaaaaattt	ttttgttttt	22320
tttaatactc	agaggagagg	gacataggaa	aggtaaagt	gatgtaatcg	ggtgggtgtt	22380
agggtttggg	gctaggtggg	gccaattgca	taagcagtgg	agtgtgttct	tccctccct	22440
gcagtgttcc	ttcccgtggg	atgatcactc	tttagctgta	tttggggcta	gaatgagatt	22500
tgaaggaggc	catggaactt	ctcttttagaa	agcctgcctt	ggctgggcct	ggtggctcac	22560
ctctaatecc	agcactttgg	gaggccaagg	tgggaggatt	gcttgagccc	aggaatttga	22620
gactagctgg	ggcagtgtag	tgagactttg	tctctaccag	aaaaaccggg	cgtggtggcg	22680
catgcctgta	gtcccagcta	cttgggaagc	tgaggcagga	gggtttgctt	gagcccggga	22740
cgtggaggtg	gcagtaagct	gtaattgtgc	cactgtactc	cagcctgggt	gatagagtga	22800
gaccctgtat	caaaaacaaa	caaaaaacaa	aacctgcctt	ctgggattgg	gcttctgggt	22860
tttttcccat	gacacacaca	tcctttccta	ttttgtcttc	tgggtcttca	tattaactat	22920
cttccccag	gatagtataa	aaagtgttag	gaaagtggg	ctttggagtt	gtggtaat	22980
ctgtctttgt	tactttcttc	cccttcaggg	ggttttttaa	ttttaagat	gaatgcagt	23040
aggtataatg	gtgtgtgctt	gtagtctcag	ctattcagga	gactgaagca	ggaggatcac	23100
ttgagcccag	gaatttgagg	ctatagtgtg	ctatgattgt	gccagtgaat	agccactgca	23160
ctccagcctg	ggcaacatgg	tgagatcctg	tcccttaaaa	gcgtatctgc	tgctctgaat	23220
ttggtat	aacaccactt	actgatacct	ttcctgtaaa	cctgtagatg	gtttaattct	23280
tagtcaagag	accagtctca	tctaaaacta	tcctgttgtg	gtctgacggc	aagtaactca	23340
tcttgagtaa	ttttgttttc	tccttaagt	gcattttgac	tgtccattgc	agcattctga	23400
tcttaaaaga	catccacttt	gctaatagcac	acgagattct	cttagttgaa	gtaggagaat	23460
caaattggagc	agttgtcctc	ccccacccc	atgttcttag	aagcacctct	gatggagtta	23520
ttctgacctt	gagtcactgc	ctcccatcat	ttcccagatg	tttggctcct	gctctccctt	23580
tgagaatcat	ctcccatttt	ctttcctctc	ccacctctat	ttgaggtaat	ggcatctgtg	23640
ccattgggtg	gtttcactgc	tccttgactt	catttgacgt	ttctttccca	tgatagtttt	23700
tagttgggca	gtcttaaaac	tcacttgata	ggaaggaaat	tagatgtaat	gtgagagaga	23760
ccacagtaaa	atgtgggtat	ttttgggagt	gggggtgggt	tttcaatctt	ctctttcctc	23820
cccactcccc	catgggtgtg	attggagatc	aacttctctc	acccccccag	gtttaacccc	23880
cccactctgc	cctcctcccg	ttccccaccc	ccttctctcc	cccagccaa	tggagatctt	23940
cgtggatgat	gagacgaagt	tgacgttgca	tgggttgcag	cagtactacg	tgaactgaa	24000
ggacaacgag	aagaaccgga	agctctttga	ccttctggat	gtccttgagt	tcaaccaggt	24060
cagttagacg	tccagtaggg	ggatgagcat	tggagcactc	cagctgtagc	agaaacctgg	24120
atattaagta	cacttttatt	gaggaaatca	catgtgtgat	gtgggagaga	ataatgaggg	24180
tataaatatc	ttaggggtg	agcatgagta	aggtgggagc	tgtttttcta	ttctatgggt	24240
ggcacgggta	tgtcctcaat	aacctcaagg	aaaataaaat	tcaaaaatta	agatccttgg	24300
ccaggcacgg	tggcttatgt	gtgtaatccc	agcaacttgg	gagggtgagg	gagggtggatc	24360
acttgagtc	aggagtttga	gaccagtctg	ggcaacatgg	cgaaacttca	tcactaccaa	24420
agaagaaaaa	aattagccag	gtgtgggtgg	gtatgctgtg	agtcacagat	actctggtgg	24480
ctgaggtgag	aggatagctt	gagcccagga	aattgagggt	gcagtgaact	atgattgcac	24540
tactgtgctc	cagcttgggc	aacagagtga	gatcttgtct	ccaaaagtcc	ttgaaggatt	24600
ttagjaagtt	gttaaaagtc	ttgaaacgat	gtttgggggc	atgttagggg	tcttgaatgt	24660
ttaatctctc	taataactgc	ttattcaaga	gaagcatttc	tgactgggtg	cagggtgagt	24720
gctcatgccc	ataatcccag	tactttggga	ggctgaggca	ggagcattgc	ttgagcccag	24780
gacttcaaga	ccagcctggg	taacataggg	agacgcccgt	ctctacaaat	agtaaaaaata	24840
aaaaataaaa	aaagtagctg	ggcgtggtgg	tgtgcacctg	tgggtcccagc	tgtttgggat	24900
gctgaggtgg	aaggatctct	taaaccccag	agggtggagg	ctgpagtgac	ttgcgattgc	24960
accactgcac	tccagtctgg	gggacagagt	gagaccccac	ctcaaaaaag	tgtttaatta	25020
atatacttgt	gagtgggtcta	tttgcattta	aaactgcctt	ctagaattag	gatagctccc	25080
ttaggtttaa	tgttttgggt	agcaggaata	tcagttaccc	ctccagatct	taattctagt	25140
tttttatcac	tttttcatga	ggtgatctca	tctcatctct	ctagcatgtc	tggcaatttt	25200

gatttctgaa	ctctgtgcta	cctcagagge	cagcttcctt	agggaataat	cagtgtctgaa	25260
ataaagttaa	atttcctttt	ctgctctaaa	tatatagtgg	gggaataaga	gaaatgaaga	25320
ggaattcctg	agaacgtaat	tactagaaac	tccctctccc	cacgtaatgt	ctctcacaca	25380
ccatggaccc	ctattccccc	aatttgcgac	ccccacccc	acccacacac	aggtggtgat	25440
ctttgtgaag	tctgtgcagc	ggtgcattgc	cttggcccag	ctactagtgg	agcagaactt	25500
cccagccatt	gccatccacc	gtgggatgcc	ccaggaggag	aggtgagctg	aagatgggaa	25560
agatattttg	tgtccttggg	agaaaaagac	agttgagaga	agggaatctc	aacatgtttt	25620
aaatttcctt	tctcaciaag	gctttctcgg	tatcagcagt	ttaaagattt	tcaacgacga	25680
attcctgtgg	ctaccaacct	atttggccga	ggcatggaca	tcgagcgggt	gaacattgct	25740
tttaattatg	acatgcctga	ggattctgac	acctacctgc	atcgggtaaa	cctcacagge	25800
tgaaaaaatc	ccactctccc	attcccttgt	ttctgttttg	tacatcttca	ttcctgcctc	25860
tgggtctctt	tcctcttcgg	tcttccagtg	ctaccctctg	tctccctcca	ggtggccaga	25920
gcaggccggg	ttggcaccaa	gggcttgggt	atcacatttg	tgtccgatga	gaatgatgcc	25980
aagatcctca	atgatgtgca	ggatcgcttt	gaggtcaata	ttagttagct	gcctgatgag	26040
atagacatct	cctcctacag	tgagtactga	tctcatgaaa	cccttttaggt	cctccctgtt	26100
ccttagtgtg	tttgtcctaa	atcccatcac	ataggtcatg	ggcatctgat	gcataatgga	26160
cacttgactg	gttcatgccc	cctgggtctt	gatgctgtgt	tgggatgttt	ttctgacctt	26220
tatgtggggg	ttctgtcttc	tctcatcata	ttacatccct	tcctcacccc	ccacgtccgt	26280
cctctgaacc	caggcagtae	accagtgtct	gcattgtgtg	cgtgtgttcc	tgctcactt	26340
tccctttttc	atgccttatt	ctgaccatgc	tacgttttct	tctcagttga	acagacacgg	26400
tagaagactc	gccatttttg	gaatgtgacc	gtctgtcctt	caggagagga	caccaggggtg	26460
ggggtgaagg	agacactact	gccccacccc	ctgacagccc	ccaccccctg	gcttccatct	26520
tttgcatacc	caccactcct	gaacccccat	ttctgatttg	tcagaatttt	tttttaacaa	26580
aactaaaaat	gaaacacatg	tgtctgtggg	atctataagt	gcttcgtccc	tttattgtat	26640
ttggggtgag	gttatttttag	ggcatgggtc	aggggtgaatt	cctataagge	ctgggtgccc	26700
tgccgtctgt	gagatcaaa	gggaatggga	ctaagactgc	agagccctgg	ctccccact	26760
gcctgccaat	tgccgtcggg	ttgtgggtct	ttccactttc	tctggccctg	gaagacgctg	26820
gggtgtttat	gatcccaagg	ctcctgggtg	gtgggtgctg	tattttcagt	gcgggagggg	26880
gctgtgggca	ctgggggaaa	cttaggcacc	tcctccaagg	ctctcttggg	gcctcctcat	26940
ctgttccctc	agcttctgga	tcttgagcac	cagggtcttg	gcctcccagg	ctccctcctg	27000
cccttcaagg	agggcctggg	acagctccag	ctgctgctcc	aacaactctt	cagctcgggg	27060
cagctcagct	gtgcgggtgg	tcccagggcc	ctggtcaggg	aattaaggga	gggagcatca	27120
gccagggcag	ggggccgagg	ccctgggaag	ctttgtcgca	ggctgtgggt	ggaagtgaga	27180
aattccacct	tcctatttcg	tttttgaaac	ggtcatttaa	ggacacctgt	actgagaagg	27240
ccaggtagct	tcctgtcttg	ggcataggcc	tctgggtggg	agtaggggga	gcaaataagag	27300
ttccctggcc	caggggctgt	aactggcttc	cttgaacaa	gatattgggt	cactggaaag	27360
aggatcagcc	gctcctcccc	gctaagaaat	aattaactgt	taggtgaggg	ggaatagatc	27420
ctgttcaagg	actttgtgga	ctgtgctgtt	gtgggtgggg	gtgggggtgag	ggaagggaac	27480
cctgaggtct	gggctggggg	aggtggggag	aggagtgggt	agctgaacta	agaaaagagc	27540
tgcaggggta	ggcatgggtg	gggggtgggt	aggggtgggt	tgagggtttt	tttttccccc	27600
acccagtggt	aaattctcac	acctctgtgt	cctaactgtg	gtgcacattt	ccctgggagg	27660
ggacgtcacc	ttcccatttc	ctctggaggt	ggtctgtctc	tcacatgctt	ctttgggggt	27720
ttgggagcag	cacccatggg	agccctgggg	tgccaaaggac	caggaggggca	gaaggaggcg	27780
aaggaaatgg	taccgagaga	gocagggcag	agggaggjac	atggcgggtg	acctggccgg	27840
gagctgtgtg	agctgtccaa	cggtccaccag	gaactgggtc	gctccaggac	ttggccctcc	27900
ttgagtgcct	ggccctgccc	aggcccccag	ccccagccct	gccccgtccc	ctgcccactc	27960
ctgcccacag	tctctccacg	cctggcccca	gacagagtcc	aggaacaaat	cctgttccctg	28020
atgtgaaaaa	tgtccctgcc	agtttaggca	gaacttgctt	tagagcactg	gtgcccagcc	28080
taccacaggt	ctgtgatttt	ttttttttga	tctagtgttt	attaggtatg	aattttacaa	28140
acattagcgg	tagctgtgga	gctggagagt	attgcacott	ctccaaagctg	catggcgaga	28200
accaccaata	gtgtggtaga	acttacagcc	ctttccaaagg	cctgtggctct	cttggcctgc	28260
agatagccca	cgcactctcc	tatgcttgtt	gtggaccact	gggtgtcagg	tttccctctg	28320

atagtgttat	ggaatggatc	aactaggata	gcctcaaaaa	ctttgtatgt	ggaatcttta	28380
accagcccag	tgagaattca	ggactcagag	ccccacagt	gcatccagct	tgctcttctg	28440
taacagactg	aaggctttaa	gcaaactagc	tggtaaacac	catgatagac	aggcttgctg	28500
ttaagtgtcc	ttcttaggaa	ctagattttc	agccaccgtg	gcgcttatat	gtaacataac	28560
cttgcttggc	tgtagcccag	tagcgtgctt	tattgggctg	ggtggggcgg	ggatccctgt	28620
ggagagcaga	gagctggtgg	tactgccagc	agcggaccct	cagaagaaa	ctcatgacat	28680
cagactgctt	cttccatagc	ttctggatgt	acttgtatgc	accatcttgg	tttaccagct	28740
ggctgctgcc	agacagaaa	gaaaggctac	cacaggctct	gtgtcttttt	tttttttttt	28800
ttttgagacg	gagtctcgct	ctgttgccca	ggctggagt	cagtggcgca	atctgggctc	28860
actgcaagct	ctgcctccc	ggttcacgcc	attctcctgc	ctcaccctcc	cgagtagctg	28920
ggactacagg	tgctcgccac	tacgcccggc	taattttttg	tatttttagt	ggagacgggg	28980
tttcaccgta	ttagccagg	tggctctgat	ctcctgacct	cgtgatccgc	ccgtcttggc	29040
ctcccaaagt	gctgggatta	caggcgtgag	ccaccgcacc	cggcatgcct	ttttcttaac	29100
actgttttct	cacttcactc	tgcaaggtag	gaattacctc	actggtttgc	acctgaggaa	29160
actggctcag	atggtttcat	tcagcattca	ctggggaagt	gtctgttggg	ggcagctcta	29220
ggctggatgt	gctcgaaggt	ccacagctgg	ttgttggtag	ggcctggagg	gttcatgtct	29280
aggtccacct	gacttgaaa	ctcatcctga	ccttgcttaa	gtgctgattc	ccctttgcag	29340
atgtaccttt	tattgtgctt	ccctttattg	ctctttgcag	atgctgtttt	ttatttagag	29400
attggaggct	tgtggcaacc	ctgtgtcaag	cacatcaaac	aggtctattg	gtgctatttt	29460
cccaacagca	ggcagacatc	atgtctccat	gtcacgctgt	ggaattctca	aaatgtttca	29520
agcgttttca	ttattatact	tgttacagtg	acctgtaate	agttactgaa	gttaactatt	29580
gtgattgttt	tgggacacca	tgagcgatgc	tcatataaga	cagcaaactt	aatggaaaaa	29640
tgtgtgtgtt	gtgactgctt	caccaactgg	ccattctccc	gactctgctt	tccaggcctc	29700
cctattccct	gaggcacaac	aatattgaaa	ggaataatcc	atgcggcaaa	tggcaaacat	29760
cattgtctta	ttttaagaag	ttgtcaaagc	agccttcage	agccatgccc	ctgatccatg	29820
gaggcaagac	cctccccag	caaaaagatc	aggattagct	gaagcctcat	atgattgtta	29880
gcatttgttt	agcaattaag	tatttttaaa	ttaaagtata	tggccagata	cagtggctca	29940
cgctgtaat	cccagcactt	tgggaggccg	aggtgggtgg	atcacttgag	gtcaggagtt	30000
caagattagc	ctggccaaca	tgggtgaaacc	tcctctctac	taaaaatata	aaaattagct	30060
gggcatggtg	atgggcacct	gtagtcccag	ctacttggga	ggctgagcag	gagaatggct	30120
tgaactcagg	aggcggagg	tgcagtgagc	caaaatcgtg	gcactgcact	ccagcctggg	30180
tgacagagcg	agactccatt	aagtatatac	acagtttttt	gtacacaatg	ctactgtaca	30240
cttaacagac	tacaatatag	tacaaacata	acttttatgc	acaataggaa	actaaaaagt	30300
ttgtgtgact	cactttgttg	ctatggtctg	gaaacaaatc	ttcagtatct	ccgaggatatg	30360
cctgtcattt	ccctttccct	cttcttgcct	gcccagaatg	accttgtttc	ttgcccctgt	30420
ctagccctgc	atgctgtagg	ggtttgcctt	ctctggtagg	tctgggcaat	ttgtatccct	30480
tgtaaccttg	gctcctggga	tatgacactg	gtacaactgg	cctcaagtcc	tgttggacta	30540
gtgagcctcc	cccaacacct	cctgaagtag	aaccaaaagg	ctgtgcacac	acgtgtcatg	30600
tgtgagtctg	catagagatg	tcagcttccct	gcagggtgtt	ctgaagggat	gtcctgttgt	30660
gactggactg	tgacatagcc	acaggcccag	aggcaggagt	ggctcagaag	gyagtggctg	30720
gtcccaattt	tgatcatcta	ggaacaggaa	ggtccttaga	aaaccatgcc	ccagaaggca	30780
ggattgctgg	agagtggaca	gctgctagcc	agctcgctat	ctggatatca	ctctgcattg	30840
ggagggaaga	tggcctctgc	catggtgtta	gagtcaggga	accaggcagt	gaggacttcc	30900
cagcggtcag	tgcttctcac	acttgcgggc	caaagcacct	ttagatgagg	ccaaagacct	30960
tacgttccct	attagctgac	tttttcccac	ttaagtggaa	aaagaaccca	gaacctttgt	31020
aaaagtttta	ggggagaagg	gctttccctc	ttgtatcttg	gtgataaggt	tatgcatgac	31080
tcatacttta	attgcaatgt	gtacacagct	aaagtcttaa	ttattagaat	ataagagccc	31140
caaactactg	ttattataga	taagcgaaac	tatgcagtat	atggttaaac	aatccacaa	31200
taattaacat	tgaaagttgg	ccgggcgcag	tggctcatgc	ttgtaatccc	ggcacttttg	31260
gaggccgagg	cagggggatc	acttaaggct	aggagtccaa	gactagcctg	gggaacatga	31320
tgaaaccccg	tctctactaa	aaatacaaaa	aattagctaa	gcgtgggtgt	agccacctgt	31380
aatcccagct	acttgtgagg	ctgaggcagg	agaattgctt	gaacctggga	ggcggagggt	31440

gcagtgaagt	gagattgtgc	cactgcactc	cagcctgggc	gacagagcaa	gactccgtct	31500
ctcaaaaaaa	aaaaaaaaaa	aaaaaaagaa	aagaaaaaaa	attaactaca	tttttgggag	31560
gtggacagag	caatgctctg	tcacccaggc	tggagtgcac	tggcacaatc	tctgcttgct	31620
ggaacctccg	attgccgggt	tcaagcaatt	cttatgcctc	tgcctcccaa	gaagctggga	31680
ttacagacgt	gtgccactat	gccgagctaa	tttttgtatt	tttagtacag	acagggtttc	31740
accatgttgg	ccaggctggg	cttgaacacc	tggcctcaag	tgatccgact	gcctcagcct	31800
cccagagtgc	tgggattaca	ggtgtgaacc	accgtgcctg	gccctctatc	tgtaaattta	31860
aaagatttag	agccatttag	aaaaaacaac	aaatgagact	tttgcaagac	aatctaaatg	31920
atacactaat	aacaatcctt	tgggaaagtg	acatttcaac	catgtgagtt	tctgctttag	31980
gttatgaact	ccaaaatgga	ctaaatggac	taacccccaa	taatttatag	tagctagtgt	32040
tttttttttt	cacagtaggt	aattctaaac	cataaataaa	atagaatctg	aattttggct	32100
ttgttcacct	gtgggaactt	aattaagaaa	gcactggcct	ttgggtcggg	tcaaatatag	32160
tggatgaggc	caggcgcagt	ggctcacacc	tgtaatctca	gcactttggg	aggccgaggc	32220
gggcggtatc	tgaggtcaag	agatcgagac	catcctggcc	aacatggtga	aaccccgctc	32280
ctactaaaaa	tacaaaaatt	agccaggcat	ggtggtgcac	gcctgtagtc	ccagccactc	32340
gggaggctga	ggcgggagaa	tcacttgaac	ccgggagcca	gaggttacag	tgagctgaga	32400
tcatgccact	gcactccagc	ctggcgacag	agcgagaactc	ttgtctcaaa	aaacaaaaaa	32460
caaaacccaa	aagaaagaaa	accaaataa	gtggataatc	gtggatctca	taattgtaga	32520
aatgaaggaa	ttaagctaaa	aaaatacata	aaccagaata	cctagtgtct	aagttgaatg	32580
tccccaccaa	aactcgtgtt	gacatttaat	tgctatccta	atggtattaa	gatgcaagac	32640
tttttttttt	ctttttttga	gatggagtgt	cgctcttggt	gccaggtctg	gagtgcattg	32700
gcacaatctc	agctcactgc	aacctccgcc	tcccatgttc	aagtgattct	cctgtctcag	32760
cctcctgagt	agctggaatt	acaggcacat	gccaccacgc	ccagctaatt	tttgtatttt	32820
tagtagagac	ggggtttcat	catattgggt	aggctgggtc	tgaactcctg	acctcaggcg	32880
atccacctgc	cttggcctcc	caaagtgtct	ggattacagg	catgagccac	cgtgccacgc	32940
cgatgtggga	cctttcaggg	ttgattagat	tgaatagatt	aatgccattg	tatggcatga	33000
tagaaatcag	ttcagcctct	ttgcccttcc	acctctcact	atgggatgat	actgcagcca	33060
ggccttcata	agatgccagt	gtcatgctct	tggacttctc	agcctccagc	tctgtgggaa	33120
aaacatttat	tttctttata	aattacccag	tctgtgctgg	gtgtgggtgg	tcaagcctgt	33180
aatcccagca	ctttgggagg	ccaaggtggg	tggaaaggct	gagcccagga	gtttgagacc	33240
agcctgggca	acatggcaaa	acccatctct	acaaaaaaac	acaaaaatta	gctggtgtgg	33300
tcgtgcgggt	ctgtgggtccc	agttatttag	gaggctgagg	tgggaggatc	acttgagttc	33360
gggagggtga	ggttgcagtg	agtcgagatc	atgccactgc	actccagttc	gagcgacaga	33420
gagagacctc	gtctgaaaaa	acaacaaaat	aaattaccca	gtctgtatta	ttctgttata	33480
gcggcaggaa	acggaactaag	acacatagat	tatgttaactg	tgtttattta	tttattgttg	33540
tttttgttat	tctgaactct	taatatagag	tcttaatcag	atgagcattc	tggcctggcc	33600
tccgcagaag	gggctgtctc	ttagccacgg	acaagaggag	attaaggcca	gcacatccca	33660
caagggtcaag	gggctgcaga	gccccctaag	gccagtgtgc	tgatggggcc	ctcaatatgt	33720
tactctaacc	agtggattgg	caggactggg	tgactgacag	gaatcattgt	tgcctctatg	33780
ggaaagtott	atggagatgg	gggctgaggg	atgttgaaat	ttagccatta	cattacagtg	33840
agagagatta	cattaactaag	tgtcagagac	ccttctgggc	actttctgtt	actgtcacag	33900
gtggctttca	cagtaacctt	ttaagagagc	tcttttctat	tttctgttac	atggctgtcc	33960
agttgtttca	gcagcatttg	ctgaaaagac	tatctttatt	gtattgtctt	tgctccttgt	34020
atltatgtgg	gactattttc	tggctctcta	ttctgtctca	cccatctctc	attaaaaata	34080
caaaagttag	tgggcatggg	tggcaggtct	ctgtagtccc	ggctactcag	gaggctgagg	34140
aaggagaatc	acttgaaccc	aggaggggga	ggtggcagtg	agtcaagata	ctgacactgc	34200
actccagcct	ggggaacaga	gggagactcc	gtctcaaaaa	taaataaaca	ataaaaaatt	34260
taaaaaattaa	taaaaaaaaa	taaaaaaatt	agctgggcac	ggtgggtgtg	gcctgttaac	34320
tcagctactt	gggaggtgga	agcaggagaa	tgccttgaac	ccagggaagca	gaagttatag	34380
tgagccgaga	tcatgccact	gcactccagc	ctgggcgaca	aagcaagact	cctgtctcaaa	34440
aggaaaagaa	aaaggaagct	ggaagctgaa	tgagatgggc	ctttcaaccca	aggagttaga	34500
aggccatctg	gtggcagggc	tggcagagga	ccaggagtaa	ataaggccag	agaggacacc	34560

agggtctggg	agtgaaggca	ctgagcttgg	gtcccccttt	ggaagacaat	gacctgagag	34620
ctgtgagatt	tcagacaagt	tcccgaacct	tttgggccct	gctttcctca	tctgtaaatg	34680
ggataaatatc	agtctcacca	gcttcttaaa	attcaatata	atggagttgg	gtgtggtggc	34740
tcacgcctct	agtcccggca	ctttgggaag	ccgaggtggg	cagactgttt	gaactcagga	34800
gatgcagaac	agcctggata	acatagcaaa	acagtctcta	ccaaaaatac	aaacaattag	34860
ctgggcatgg	tgggtgtgtg	ttgtagtccc	agctactagg	gaggctgagg	tgggaggact	34920
gcttgagccc	acgaggtaga	ggctgcagtg	agccatgatt	gcaccactgc	actccaggct	34980
gggagacaga	atgagacctt	gtctcaaaac	aaacaagcaa	acaaacaata	aaggaaatcc	35040
ctaccacact	atcaggggca	ttttggctga	gcgcggtggc	tcacgcctgt	aatcccagca	35100
ctttgggagg	ctaggctggc	aggtcacctg	aggtcgggag	tttgagacca	gcctgaccaa	35160
cacggagaaa	ccgtctctac	caaaaatata	aaattagccg	ggcgtgatgg	tgcatgcctg	35220
taatcccagc	tacttgggag	gctgaggcag	gagaatctct	tgaacccagg	aggcagaggc	35280
tgaggtgggc	tgaaatcgcg	ccattgcact	ctagcctggg	caacaacagg	gaaactccat	35340
ctcaaaaaaa	caaaaacaaa	caaaaaacaa	aactcccatt	tttgcgaggc	aaattgggct	35400
cacagaggta	agctgcatgt	ccctgttgat	ggcagagctg	gggtctggat	gcaggctctgc	35460
ttcggggtaa	tccgctcttt	tgccctccag	ggtcctgcct	cttacaatat	gagctgtcaa	35520
gttagatgcc	tgcactcagt	aaacctactc	tgttttaagt	aaaaacaaca	agaaacaaat	35580
ctgaatatgc	tagcctatct	caggtacgtt	aaaggaaatt	tttaaatagg	gggttttttg	35640
accatttggg	ggagtttttg	gggagggggc	ttctgtctat	acttgagctg	ggggatgtta	35700
gggttgttca	tctggatcta	gaggttttcc	tgtaatgttc	ttactccaga	aggaaatctc	35760
tagatgggga	aagaaggttt	cagcttttat	tctagtaage	agggctctac	ctataaagag	35820
ctgcttccac	cactcttttt	tttttttttg	agacggagtc	ttgctgtgtt	gcccggttg	35880
gaatgcagta	gtgcaatctc	ggctcaccac	aacctctgtc	ttccgggttc	aagtgattct	35940
cctgcctcag	cctcccaagt	agctgagact	acagggtgtg	gccaccatgc	ctggctaatt	36000
tttgtatttt	tagtacagat	gggggtttca	ctatgttggg	caggctgggc	tcgaactcct	36060
gacctcgtga	tctgactgcc	ttggcctccc	aaagtgtctg	gattacagge	atgacccacc	36120
gcacctggcc	tccaccacta	ttataaatatc	accaggttcc	ccatttgaat	ccttcagtgc	36180
caaaggtttt	gcagaattca	aatgtttttg	ggacttgata	gggctgacct	aaaagtacac	36240
tcactctata	ttaggtagcc	caggaggggc	taggcagccc	aagaacccaa	cacatgagtg	36300
tttctgcagg	gaaatgtatg	aatattgaca	tcagtaggat	gaaaataaat	aatagtctta	36360
ctttagttca	gattaggttt	ctgtcaccaa	atgaattttg	gtggcagcct	gatgaaaaat	36420
gttggttctc	agagtgtttt	tgagtttaga	atttgtgtta	agggagtatg	gacctgttga	36480
taacaaaaaac	aggaacaagg	ccaggtgtgg	tggtcacac	ctgtaatccc	agcactttga	36540
gaggctgagg	ttggtggatc	acctgaggtc	aggcattcga	gatcagcttg	tccaacatgg	36600
cgaaaaccca	tctcttctaa	aaatataaaa	attagctggg	cgtggtggca	tgcgcctgta	36660
atcctageta	cttgggaggc	tgaacgatga	gaatcacttg	aaacctgggag	gtagaggttg	36720
cagttagcca	ggatcgcacc	attgcattcc	agcctgggca	agaagagtga	aacttcataa	36780
aaaacaaaaa	caaaaacaaa	aaacagagaa	acaggaacaa	caatcgccag	catataccaa	36840
gtgcttatcg	tgtgtgcccag	gtactctaata	tatgtactat	gtcagttgat	tctcaaaaca	36900
tatatggcac	aacatgggta	ctctgaacat	gggcacaatc	aatgtacaat	gctataatgt	36960
ataacacagg	acaatgtagc	tgttaaaagc	atggacactc	tatctagtcc	atctgggtta	37020
taatctctgc	tctaccagtg	aataactgta	actctggcaa	atgacttctc	tatgcctgtt	37080
ttcctcagct	gggaaatggg	ggataaatatc	agtactcaac	tcttaagatt	gttgtgagga	37140
ttaaatgtgt	tactttataa	gaaatgtctg	gcacatagca	aaggttgtta	ttattttaat	37200
ttttacacat	gggcaaaata	agcctcaagt	aaacctgtcc	agaatacgtg	gctatgaagt	37260
gtggagctgg	gatttggagc	tgggttttga	atccaggcaa	tctaaactcc	gagcctaact	37320
tctatgctac	tttttggcta	cjagcaaaaca	atctgtcaag	aaacaaagta	gctactaata	37380
taaacagatg	tgaaatttga	agaccagttg	atctttgggg	aatgttgggt	tcttcagaca	37440
atggtagctc	agtaatgtaa	agggacaaat	gacagccaca	tjccaaacttg	gttaactcct	37500
tccctaggtc	ctgatgacca	aataaccagc	ttattttctca	actattgggt	ggcttttcatt	37560
tcaggtctgg	tcagctgctt	atgacctgtg	tcccacttga	gcagactcac	catctgggcc	37620
ctggcggggca	gcagcatgca	gtgccgtgtc	cccatggggg	tcttgggtggg	cagggtcagc	37680

cccgagccga	agcagcaggc	acagggcagg	ggcatcgtgg	cgggcacagg	cccgggtgcag	37740
tgggtgggggc	tgcccagcat	ctacatcgag	gcctgggtgt	cgctggagga	gggcctgggc	37800
ccggaccagc	cgtcctgcag	acaagtaacg	acgaaagcga	cgttctcggc	gttggcggcg	37860
ggaagtggag	gccatggaac	tcttgggctg	gggaaggaaa	aaaggcagca	gtcaggactt	37920
cagccttggc	tggtccttct	ccctccatct	ctgacatccc	ctgttgtttc	tcccttttgt	37980
tccgtctttt	tttaatatct	tcagcaagag	atgaggccta	acctaaccct	gatcctttat	38040
cagatgatag	at ttgaaaaa	aaat tttttt	tgaggggggt	gataggatca	gaggtttaat	38100
ttttttaatg	taaaattcga	gaaaagggtg	aataattggg	ttaaggctca	ggagcccagg	38160
taaat tttta	at tttttaaca	aagaacttta	aaaaaaccca	acagggccgg	atggggaaaa	38220
tttttatcag	cagaaatctg	agtttttaaa	agtcacagat	aatctccaat	aatgatctag	38280
aaattgaata	tcatgtaccc	ggcagacaga	tgtggaggct	tcttcctctg	gaacctgggg	38340
ggaggggtta	ctcatcagac	ctgccccgc	cccccaagt	accccgagag	ccgtaggccc	38400
aaggcctgtg	tttaagaagc	tcggagacgg	gaggcgggaa	gggcggagac	actccaggct	38460
ggaggaaatg	gcgcaagcag	agacgcaggt	ggaggacgga	agtgaactgt	gaggggcgtt	38520
accgatgtc	gttccgcccc	gaccgggtag	ttcttggcca	gatctcccag	gggaaactag	38580
ggaacttaaa	ttaaaggggc	cgtctgaaac	cagaagactg	gactggaggc	gaggaaaagg	38640
aggcgagggg	aggggagggg	gaaaagagag	ttat tttggg	gttttttccc	gcctcctcta	38700
acttggcaga	gagaggagat	ggttcagtga	tggacgaaaa	gatgagaaga	cagagaaaat	38760
agaggagata	aagacaggat	aaaaatcaca	ttaa acatgg	aaaacaaaaa	caaaaaccac	38820
agtgggacaa	caacagggac	agatcaaaaa	aaagaaaaaa	tacagacaaa	agacggaaga	38880
agactatcgt	aggatggggc	aagtgagatg	caaaaatttg	gacttgagaa	atatgtagaa	38940
aaagatggag	atgttaacaa	cgggaggcgag	gggagggggc	gggatgggtg	agagagagag	39000
aaaggtagag	agttagttta	gaattaagcc	cagaatgctc	ttttcccaac	acaggttgca	39060
tgatgacatc	cttacctttt	caccgcattc	acaacccttt	atgcttctct	tgttaccacc	39120
aatcaagt ttc	tccttctctc	acctcagtac	tcccccg tct	ccgccccctg	ctcatcccta	39180
gacctttccg	actgggatgg	ctaacctgtt	gtaagcccg	agctttgggg	ctgggtctctg	39240
ctgctcccag	gcggccccct	tgggtactgc	ctgagcaaga	agtgcaggag	aggaggacca	39300
gtcatcaata	ggaggatgag	attgggagag	acactcggtg	caggaggctg	agtgagcagg	39360
ggagcactaa	gaccagggg	tagtggagga	ctgcagcaac	gagctggagg	aggagaagta	39420
agcgggtggg	ggtgggagcc	atctggtact	ttgacagcat	tcaaaacagc	atcggccata	39480
acaacagaaa	tggccagtca	gtcccaaggt	atccagcagc	ttctgcaagc	tgagaagcgg	39540
gcagctgaga	aggtggcaga	tgccagaaag	agtgagtctc	ctctttctct	ccttaggagt	39600
ttggaaagaa	aattgggggt	gggggacagc	aaacattttg	ggaaaaccca	aggctggcgg	39660
gaagacagct	agggctctgga	ggctgggttag	gagggaaagaa	atggatggat	attagaatct	39720
ggcacctggg	tggctgagag	aaggctgtat	aactttctgg	aagggaactga	ctctgtctat	39780
tacattgtgt	gtgtgtgggt	ccatccccac	tcactgtcct	ttcttctgcc	tccagggaag	39840
gcccggcgac	tgaagcaggc	aaaggaggag	gcacagatgg	aggtggagca	ataccgcaga	39900
gagcgagagc	acgaattcca	gagcaagcag	caggcgggtga	gttgaggcag	agtcgggatg	39960
agacccact	gcaagttggg	gggtgcattct	agtgaggtgt	gtaagggtga	ctcaacaaga	40020
aaatatgggtg	gcagagggct	gaggctgagg	ggaccctggc	agggaccaca	acattgggtga	40080
aaactttgtga	tgatatgtag	gagagtctgg	gagt tttgaa	ggccacatag	agcttgtggg	40140
cggaaatgcca	cagtctgtgt	aaagtataac	atctatgtgg	agtatgatta	acatttgtgg	40200
tggagggtag	agttttatgg	tcatggatgg	tgaggtgggtg	gggatattac	ggtctgtttt	40260
aggatgaagt	tgcattgttag	gtctaagggg	aaaggggact	gtgttgatct	ctttgggtgtt	40320
gggatatttc	tgtgggatgg	gggtgggtttc	tgagagggcc	ttctctctag	gctttgtttc	40380
aggatctttc	ccctcatatg	cctggacccct	tgtctgtttc	tgtctttccc	ttctctctct	40440
ccacccctct	ccctaccccc	caggccatgg	gtctccaggg	gaacctgtct	gtgaggtggg	40500
agcaggtctac	aaggcgccag	gtgcagggca	tgcagagctc	ccagcagaga	aaccgagagc	40560
gtgtcctggc	ccagcttctt	ggcatggtct	gcgacgtcag	gccccaggct	caccccaact	40620
accgat ttc	tgcctagggc	caccgtaggg	cctgaactct	tctgccagtt	ccctccctca	40680
aagaaatcct	ccaatcaaaa	tcacctccca	ccataatccc	tgtcttcttt	ccatccctta	40740
gaaatcctgg	gaggcaggat	ccaataat t	tctgtgaca	cttataaata	tctgtctcac	40800

atctgaatct	ccttgttgtt	ctttaaccct	cactgggact	ttgtaaacct	ccaagtcatt	40860
ctcacctaaa	ccctctgtga	aatttgtaat	atggggaagt	aggaatgtgg	aaaacatcct	40920
gacttcagtg	tctggccgat	gtgggtccct	ctcttgaccc	tgtcacttgc	tggtctgtgaa	40980
accaggacaa	gctacttaac	ttggtagcct	cgatgtcctc	ctctgtgaaa	ctgggatgat	41040
aataatgcct	accttgtgag	ggttgcttca	atgattagga	atcattctgt	aaagtctagc	41100
acagttcctt	gcatgttgta	gcagtgattc	agtaagtagc	aaccctgtga	tactattacc	41160
accacctgct	cactggtcaa	aacctacaca	gctgtttcct	cacgtccatc	actggctctc	41220
taattccact	tgttcattct	gtgaccctag	ttattttctg	aaaaattggg	tcttctcttt	41280
tcccagagac	cttctgatct	ccaaaaagag	gagatgacta	catttagccc	ctctcttata	41340
attccaggta	gataactgca	ttttgtagcc	tctctttgtt	tttcttttgc	tgatctttgt	41400
ctttattaga	ttttcctcct	ttcctatttc	cccaaagact	tatcagatgc	tcattgcttt	41460
ctaagatcta	aaatgatact	gtgttccttc	atatgcatgc	ccttcctttc	tatatccttg	41520
acaccttact	ttcccattgt	aacaataaaa	aaagtatcaa	taaaataatt	attggcaaat	41580
aaattgggtga	gttgaagcag	cctccttttg	cctcatcatt	tctcattttc	agtcactttg	41640
tttttttttt	ttttgagatg	gagttttgct	cttgttgccc	aggctggaat	acaatggcgt	41700
gatctcagct	cattgcaacc	tctgcctccc	aggttcaagc	gattctcctg	cctcagcctc	41760
ccaagttgct	ggaattatgg	gtgtgtgcca	ccacgcctgg	ctattttttg	tatttttagt	41820
agagatgggg	tttcgccatg	ttggtcaggc	tgggtctcaa	ctcctgacct	caagtgatcc	41880
acctgccttg	gcctcccaaa	gtgctgagat	tagagggtgtg	agccactgtg	cctggccttc	41940
agtcactttc	ttgttttttg	tttacatatt	ccctaaacag	cccaaattgg	tatcctttga	42000
aacttctttg	agaaacaaga	acaagtagta	ctttattatt	tctctaaagt	gagaaacatg	42060
gttcctcatt	tgggaatctg	aggactatag	atcgcaactg	tagagaaaag	ctggagtgtg	42120
ggagcaagtg	ctctttgccc	ctttaccttg	cattttcttc	atagcactta	ctgctactgg	42180
ttttttgaga	caaggctcctg	ctgtgttgcc	caggctggag	ttccagctca	cggcagcctt	42240
gaccccttg	actcaaatga	tctcccact	tcagcctcct	gagtagctgg	gattacgggc	42300
gagtgcact	atgccttgct	aattttaaaa	ttttttgtag	agatggggtc	tcacttgccc	42360
aggctggtct	gaaactcctg	ggctcaagca	atccttcggg	ctcggcttcc	tcaaggggtg	42420
ggttacaggc	ctgagccact	gcacctgac	cacttatcga	tacttgacat	tatatttgtg	42480
tttatgtgtt	ttctttcctg	taatgtaaac	actgtgagaa	cagggctggt	caccgttggtg	42540
tccccagatc	ctaggacaac	atgtggcaca	agggaggcag	ttgataaata	cttttgaata	42600
aattaaatga	tacttgggaa	aataccttct	atgacaccat	tcttgaatta	gttacttcat	42660
ttgtcactga	agacaagctt	acttcaccaa	gaatttgaac	caataaggta	acctgcagtg	42720
tatttactaa	ccagattctt	tgagcaggga	ggcagaatac	aatagagaat	gagagatgtt	42780
tgcatcctgg	ctgtaacctc	accagccgta	ctgcttgaga	tatgttgctt	tgcttcgctt	42840
ctgtcaataa	gatgagaata	acggtaacct	ctccttagta	ttaaatgatt	aagtatgtta	42900
acagggagag	ggccaaacgt	ttgttgtttt	attacacagc	aggacatcag	gtcttacttt	42960
tgtggtctcc	catctcaaag	acggggatag	caaatgtttc	attcaggaaa	aaaatccagg	43020
ttgaacaatg	gggtgtttgg	ggcggggcca	agaacattct	gctcgaatta	acagtattaa	43080
tgggcggggc	gcggtggctc	acgcctgtaa	tcccagcact	ctgggaggcc	gaagtgggtg	43140
gatcacctga	ggtcatacat	gggtgaagcc	ccgtctctac	taaaaaaaca	aaaatttgct	43200
gggcgtgggtg	gcgggcgcct	gtaatcctag	ctactcggga	ggctgaggca	ggagaatcgc	43260
ttgaaccogg	gaagcagcgg	ttgcagttag	ccgagatcag	gacattgcac	tcccgcctgg	43320
gcgacagggc	gagactctgt	ctcaaaaaca	aaacaaaaac	agtattaatg	gaatgtagta	43380
taacctcaca	gccttactat	taacacttgg	ggccgaatcc	agacctcgtc	ttcccgcctg	43440
gattcagaac	accttcttga	ctcactggcc	ctagggcatt	agctacctcg	gacagcatcc	43500
ttttgggaaa	ataccgcccc	ccagccccac	gactgggaaa	gagtggggaa	acacccccga	43560
gcaatccagt	tccttgagac	ttccctctct	cctccctcca	gctaggggct	gcgggttctt	43620
agtgggtgcc	cagcagtcct	caggtccact	tcaatccogg	gccaaaggac	ccgtgggaaac	43680
tgcagcctt	cgccacaact	gttctctcgg	catccacgga	gggttgccca	cagagaagac	43740
ctggttgcca	aaaacctaaa	cgaagagatg	aggggcatgg	agaggagtag	gataagagaa	43800
taaagataac	agtggggggg	agacgttagt	ttcctttata	tcttttgtta	ctggcggtag	43860
cagtgaagtt	agaaacgggt	ttaaaaacaa	tttcagacag	gcattttcca	aaggcaagcc	43920

tggagcgcac	ggatctgtat	aaccgcggaa	ggccctgttt	ccggtccctt	gcgcctgcgc	43980
tcttgcagcc	aagaaggcgg	gaggctggag	tagagggaag	cctgcaaccg	gaagtgaagg	44040
cagatttccc	tccttcgtcg	ctgttgctgc	cgccatacgc	gctctccctg	tttaggtaag	44100
ctttggcctt	cgctacaatc	cgtttccatc	tgcgcttctc	cgcacccatc	ccgtcacatg	44160
ggttcctgat	acccttttca	caggcgatgg	tctggctcgt	ggggcctagt	tggttcgcta	44220
tttccttagc	ttgcatccct	ttcgagagca	aagagctcct	gggggaagga	aggggaagcta	44280
aggggggacc	caatccaaga	tgggtgcctc	ggcgccattg	tgctcgtttt	gctcccttct	44340
tccaatgggt	tcttctcata	ttggaggcct	cagcatcaat	gagaggcggg	gctcggcgtc	44400
ccttggtcct	ggtatttgcg	gagggcgggg	ctcttctcac	cttccttggt	ctttcttgag	44460
ctctttttcg	gccctcgggtg	ggactgggag	gaggagctgg	tttctgggcc	cagttggatt	44520
tttctcacct	tgacttgccc	aacttaattt	ggagtgcctt	ccaagtgttt	acgatacgat	44580
tgggtgcatt	gtatgtttct	ccaaaaggag	tctcaccttc	gtagcgtaac	agtgatgtga	44640
gaccacttgg	taaagatcct	gttaaagcct	gggcggggat	tgcccttctc	tgtcacctat	44700
tagctttcct	attgtagggt	ggagacatga	attttgtttt	tttgtggcgg	agccatttgt	44760
cttgcacccg	ccctcccccc	catgctaatt	acacaaggct	tgcttaaaca	gcggaaggga	44820
ggatactgag	aagtgggagg	ctgagagcta	tgggaggtgg	acggcgggca	tatgatgttt	44880
tcttttcgaa	aggtgagcgc	tttgccagct	gatgaccctc	atctatcacc	cttgactgat	44940
ggctgctgag	ttaggcattc	ataacggtgg	gattataata	gggaaagcgg	agtcttcctt	45000
tgaggacttt	tcaggactct	acttgtcatc	tccattttcc	actttactaa	gttattagtc	45060
atattttacc	ttttattatc	tattctattt	cctcactggt	actttcagat	caagaattta	45120
taagttggte	ttccccttcc	aacttttctg	gtttccgcta	ctgtgattgc	taatcttggt	45180
gggaacctct	gtcctaacca	ctttccctgg	tactgctttt	tctgttctgt	tatatttgct	45240
tttcgttttt	atgttttgta	tctgtttttc	tttccaggta	aaagtttcct	ggtttaggga	45300
aagtgggaac	tggggatgga	aaagaggtcg	tgattaagtc	ttgctttttt	tttccccctt	45360
ccagctcttc	tgttagaaat	agtatctttg	ttttcctttg	ctgttcctca	atcccctact	45420
cttcacccct	tgttttcacc	tattttgcga	gaacccatcc	agatccccct	tcccttcttc	45480
ccctgccggc	ccagttatgg	cagagaacga	tgtggacaat	gagctcttgg	actatgaaga	45540
tgatgaggtg	gagacagcag	ctgggggaga	tggggctgag	gcccctgcca	agaaggatgt	45600
caagggtccc	tatgtctcca	tccacagctc	tggctttcgt	gacttcctgc	tcaagccaga	45660
gttgcctcgg	gccattgtcg	actgtggcct	tgagcatccg	tcagaaggta	aattttctct	45720
tgggcatgta	gtgctcattg	ggctctttta	gggtacaata	caaagatgtg	tttgtcgttg	45780
ctcaggtggg	ggtaagggtt	tatacttaag	gctagatcag	ggccaggtgc	agtggtctac	45840
gcctgtaate	ccagcacttt	gggaggccga	ggcaggaggg	tggccacttg	agctcaaaag	45900
tgcaagagaa	gcctgggcaa	catagcgaga	ctcctgtctc	tacaaaacgt	tcagaaatta	45960
agcaggtgaa	ggttgaggct	tcagtgagcc	gtgattgcac	cactgtgcac	cagccggggc	46020
gacagtgagg	aagaaaaaat	caggggataa	gtatcaaaaa	caattttgga	tagaggaggc	46080
ttatacaggg	ttattctttc	tttcgtgata	gcaccaaaag	gctaattgat	caaaagtga	46140
ttccaggtct	gccattcatt	cttgtgaact	gcttttcttg	tctgcttatt	tttaattttg	46200
tcacttgact	tctaatttta	aatttccaga	aaggctcctg	ttggacctgt	agtcctccct	46260
tgttgggcca	ggccaactgt	ggtctctgga	aacctctatg	actggtttag	agatgactgg	46320
cttctgggtc	aggtaccaag	tccttcattt	tgtccagggt	tgtagtagtt	acgtgaccgg	46380
aagtatagca	acctaagcag	gagaagtggt	ctgtggcagg	tattcaaattg	tcattgaattg	46440
ttacagatta	agaaaaataa	ggacagagct	aggtatcattg	aaggtgagcg	gttggttagat	46500
gcaagggggt	tgttactagg	actgggaagg	cctagatctg	gagagggtta	aagctaggag	46560
gaattaggag	agtctgattt	tgaggtgaat	gtaattgagc	agagagaggt	aaaatgggtc	46620
tggaaagtgg	caagaaccag	gtaaatata	gactttgaga	attgagtggg	aagaaatggg	46680
cttggcatgg	tgaaaaagg	agagttatct	ggagactgaa	gtctaattta	tcttctctcc	46740
ccccaaactt	ttagtcacgc	atgagtgcac	ccctcaggcc	attctgggaa	tggatgtcct	46800
gtgcccaggcc	aagtccggga	tgggaaagac	ajcagtgttt	gtcttggcca	cactgcaaca	46860
gctggagcca	gttactgggc	aggtataatt	ggggagagtg	ctggggaggg	gattttgggt	46920
aggactataa	gggaagggtg	tttttgtcct	aactacatga	tgcttgcaga	gcatgagca	46980
catgacctct	gttacccttg	acaacctgac	agctgtgggg	gatgttctgt	cgcaagcgtg	47040

gggttcacga	tttagatcac	agaattgaag	tcattttatta	tcggcccagg	tgtgtttttg	47100
tgacagtcac	ttccctagag	gggataatga	agagctacat	ttaccatatt	tctccgtcta	47160
cttccctgct	aaggtgtctg	tgctgggtgat	gtgtcacact	cgggagttgg	cttttcagat	47220
cagcaaggaa	tatgagcgct	tctctaaata	catgcccaat	gtcaaggtaa	gcccaaggtaa	47280
agagacctga	gagtgagggt	gtggcaagtt	ggagggataa	gaaacttgta	ggccaatagt	47340
ctctttaatt	ttggagaagc	tttagttttg	tgtggtgtaa	cagagtgttg	agttcctatg	47400
taacaggagg	attcgtaatt	gggctatgga	tgatgcttaa	cacaagacca	cccttttctt	47460
actactttat	actgactttg	aatcatatca	gtttaataat	tttggggtat	gtggcagaga	47520
aagccggaaa	ctttaaaaca	gctccagtgg	tgtgtgaata	ttgaggattc	tggccaagtg	47580
cacaatggct	tacacctgta	atctcagcag	tttgggaggc	caaggcgctg	ggattatttg	47640
aggtcaggag	tttaagacca	atgtggccaa	caggatgaaa	ccctctctct	actaaaaatg	47700
caaaaattag	ccgtgcatgg	tggcacacac	ctatagtcct	acctgcttgg	gaggctgagg	47760
caggggaatc	gcttgaacct	aggaagcaga	ggttgtagt	agctgggatt	gtgccattac	47820
actccagcct	gggtggcaga	gtgagactcc	catctcaaaa	aaaaagaaaa	aatctgattg	47880
aagttaagca	tttttggcaa	gaatccttca	taggtgatgc	tgtatctcct	gttatgccac	47940
aaatctggct	gacttatggt	agttattttt	ttttattttt	atttattttg	tttgagatgg	48000
agtctcgtct	tgtccttcag	gctgtgagtg	tagtggcgcg	atctcagctc	actgcaacct	48060
gcgcctccca	cgttcaagcg	attctcccg	ctcaaccccc	cagtagctg	ggactacagt	48120
gtgccatcat	gcttggttaa	tttttgtttt	tttttagtag	tgacagggtt	tcgccatgtt	48180
ggccaggctg	gtctcgaact	cctgacctca	agtgatecac	ccacctcggc	ctcccaaagt	48240
gctgggatta	caggagttag	ccactgcacc	tggcctcatt	aatgatttta	gatttaccat	48300
aggattagcg	tcgtgacagt	ctgattccac	agttcttttt	cccttgaaa	ccagaaagta	48360
gtttctgggt	ttatttgata	ctgtaccaag	gccagatcc	ccaaacaact	attcacctaa	48420
tggttttaac	atgaaatgat	aatattttag	ccgaagcagt	aatttcatgg	ggtttgtgtg	48480
aaaagagttt	gagattctgg	gtttattttg	gaaaccttaa	tgttccatgt	gttttttgtg	48540
gtactttaca	ctaactctgt	gatttctttg	tgtcctttat	ttattttatt	tttatttttt	48600
gagatggagt	ctcgtctctg	catccaggct	ggagtacagt	ggctcaatct	cgcctcactg	48660
caatctccac	ctcccggtt	caagcgatcc	tcctgcctca	gcctcctggc	taaattttgt	48720
attttttgtt	tttttagtag	aaatttgtaa	attttgtatt	ttagtagaga	tgggggtttca	48780
ccgtgttggc	caggctgggt	ttgaactcct	ggcttcaagt	gatccacttt	ccttgacctc	48840
ccaaactgct	gggattacag	gcgtgagcca	ctgggcctgg	ctttatttta	tttttattta	48900
ttttattttc	ttttgagatg	gagtatcact	cttgtttgcc	aggctggagt	acaacggtgg	48960
gatcttggct	caccacaacc	tctgcctccc	aggttctcgt	gcctcagcct	cctgagtagc	49020
tgggaattata	ggcgtgtgcc	accacacctg	gctcctttat	tttttaaatg	aagcctggcc	49080
tcataaatga	aggaagttgg	ttagattaa	tcagtagaac	tgaattattg	tcctgactgc	49140
tcgactagc	catgtaacct	taggcaatca	ccctcagttg	ttgggtgggg	ggacataaaa	49200
tttttaaat	aggtgaacct	taaagttagt	tttagtttgg	aaacatgcta	aaaatttggt	49260
tagctcaaac	agagtgggaa	ccctgggggg	attggaactc	ttccttctct	tgttttgaga	49320
ctctttgctt	ctggctcggc	aggttgcgtg	tttttttggg	ggtctgtcta	tcaagaagga	49380
tgaagaggtg	ctgaagaaga	actgcccgc	tatcgtcgtg	gggactccag	gcggtatcct	49440
agccctggct	cgaataaaga	gcctcaacct	caaacacatt	aaacacttta	ttttggatga	49500
atgtgataag	atgcttgaac	agctcgggtg	gtggcagtcg	tggggcttgg	ctaattgctgg	49560
ggagttgttc	tttggagcca	aatgatgttc	atttgaacaa	ggagcacctc	agtgcaggga	49620
cgactcttat	ctatcaccca	tgactgatgg	ctctgggttc	cctgggttgg	ctttatttat	49680
cttttaagca	cagtaaaagg	tgtcatctat	catctttcta	tjatttttgg	tttttaacct	49740
tgagaatagg	ggactttgat	aatttttagg	ataagtcatc	accaccacca	cggttttcat	49800
tatagattca	tatactggga	gtcatagggg	agattctaaa	ctgaaagaga	agacagtacc	49860
ctcttggcat	ctccagcaca	gcattttacg	tcagaattta	tagctgaata	agtgtctaga	49920
ctcaggtctg	ggattaatgt	agagagtgtt	tgtagcagtt	tgtgtgatgt	ggtattctag	49980
tgtgcccagg	gggtttaatg	gaagattttt	ctgtaagaat	tjaatcttgg	tjaatgagag	50040
tggggtttga	cataggcccc	ataagtcatc	acaaatgata	tttggcaatt	ctatatggta	50100
agctataaaa	gtgggctcca	ggtagggatg	tcatttttgc	ctgacttgat	agaaaagtaa	50160

tccagagagt	catagatgga	ctctgatata	tggaatataa	tatgtgcttg	atatttgtag	50220
tctgctgaag	gctggctggg	gcttgggcag	gaaaggggtg	ggagaaggtc	ccataaagca	50280
tgttttgaag	gccttgagag	cctctgcact	gggctttatc	cccatttcat	agttgggaac	50340
tttggggttt	taccttattt	cttgcttggt	taaaacaaac	agctggaatc	tgatcccact	50400
tcttgattcc	aagtccattg	ctctttccat	tgtgttggtt	ctatttccag	caatottcac	50460
ctcactggga	agtctacctc	taatctttgt	ttatcatacc	tgcttatttt	ctcctacaat	50520
ttttttccct	gttcttgtag	acatgcgtcg	ggatgtccag	gaaatttttc	gcatgacccc	50580
ccacgagaag	caggtcatga	tgttcagtcg	taccttgagc	aaagagatcc	gtccagtctg	50640
ccgcaagttc	atgcaagatg	taaataccct	tctaccttct	ctccctccac	ttcccgcctg	50700
ctgcctcctc	cccttccctg	ccctcttccct	cagactccct	tgctattcaa	gtgccaaaga	50760
ggcggcttgt	gcccacttgg	gagtaatgac	tccttgaaga	gacatacaga	agcagagaca	50820
gctagtgtta	gggcctgcgc	gggtgccagg	gaaactccgg	aagacttggt	cgggttaatg	50880
tgagagcggg	tagtgttcga	ctttttcata	aatcacaaca	tttttgaacc	tcttctccct	50940
tcgggggagg	gcaggatttt	tctgccttac	caccacacca	tccatcgtct	cttacatgca	51000
ccctacagcc	acgcaccctc	aaggtggcat	cgagcataca	gctggagcct	tctgctcacc	51060
aaaactccta	cttcccgggtg	gcaggagagc	aagagaggga	cagacagatg	gcaggggcatg	51120
tcctaaagaa	gagcatcagc	acaaatgaat	cctccccttc	ccacctcca	gggggtggggg	51180
cctttggcac	ctcaatcccc	gataccctac	tccttcccac	ccacatctcc	ttgcacccat	51240
ctggaacctc	ggttgatgtg	agccggcaac	agagaagcac	cgtggcgcg	cgagggaatg	51300
cagacggcac	ccagcgggtg	atggcggcag	cggaggccgc	ggggaaacct	gaccaggaag	51360
ctgaggacca	aaccagcctc	tttttccggt	cccgggtttt	ttcctgaacc	caacgcgtgc	51420
cgtgccccgt	ttcccccaat	atgtgttggt	gaggggtgtc	ctgaatgggg	tggtagattt	51480
tttttcttaa	aaaaattttt	ttgttttttt	taataactcag	aggagaggga	cataggaaag	51540
gtaaagtggg	tgtaatcggt	tggttggttag	ggtttggggc	taggtggggc	caattgcata	51600
agcagtggag	tgtgtttctc	ccctccctgc	agtgttccct	cccggtgggat	gatcactctt	51660
tagctgtatt	tggtgctaga	atgagatttg	aaggaggcca	tggaacttct	ctttagaaag	51720
cctgccttgg	ctgggcctgg	tggtctacct	ctaateccag	cactttggga	ggccaagggtg	51780
ggaggattgc	ttgagcccag	gaatttgaga	ctagctgggg	cagtgtagtg	agactttgtc	51840
tctaccagaa	aaaccggggc	tggtggcgca	tgctgtagt	cccagctact	tggggaagctg	51900
aggcaggagg	gtttgcttga	gcccgggacg	tgagggtggc	agtaagctgt	aattgtgcca	51960
ctgtactcca	gcctgggtga	tagagtgaga	ccctgtatca	aaacaaaaca	aaaaacaaaa	52020
cctgccttct	gggattgggc	ttctgggttt	tttcccatga	cacacacatc	ctttcctatt	52080
ttgtcctctg	ggtcttcata	ttacttatct	ttccccagga	tagtataaaa	agtgttagga	52140
aagttgggct	ttggagttgt	ggtaattttt	gtctttgtta	ctttcctccc	cttcaggggg	52200
ttttttaatt	ttaaagatga	atgcagttag	gtataatggt	gtgtgcctgt	agtctcagct	52260
attcaggaga	ctgaagcagg	aggatcactt	gagcccagga	atttgaggct	atagtgtgct	52320
atgattgtgc	cagtgaatag	ccactgcact	ccagcctggg	caacatgggt	agatcctgtc	52380
ccttaaaaagc	gtatctgctg	ctctgaattt	ggtattttta	caccacttac	tgataccttt	52440
cctgtaaaacc	tgtagatggt	tttaattctta	gtcaagagac	cagtctcact	taaaactatc	52500
ctgttggtgt	ctgacggcaa	gtaactcact	ctgagtaatt	tttggtttct	cttaagtggc	52560
attttgactg	tccattgcag	cattctgact	ttaaaagaca	tccacttttg	taatgcacac	52620
gagattctct	tagttgaagt	aggagaatca	aatggagcag	ttgtcctccc	cccaccccat	52680
gttcttagaa	gcacctctga	tgagattatt	ctgaacctga	gtcaactgct	cccatcattt	52740
ccagatggtt	tggtccttgc	tctccttttg	agaatcactt	ccatttttct	ttcctctccc	52800
acctctatatt	gaggtaatgg	catctgtgct	attgggtggt	ttcactgctc	cttgacttca	52860
tttgacgttt	ctttcccatg	atagttttta	gttgggcagt	cttaaaaactc	atctgatagg	52920
aaggaaatta	gatgtaatgt	gagagagacc	acagtaaaat	gtgggtatatt	ttgggagtg	52980
ggtgggggtt	tcaatcttct	ctttcctccc	catcccccca	tggggtgtat	tgagatcaaa	53040
cttctccac	ccccccaggt	ttaaaccccc	cactctgccc	tctcctgggt	cccccccccc	53100
ttctct						53106

<210> 11
 <211> 1658
 <212> DNA
 <213> Homo sapiens

<400> 11
 ctaaaggctg cgcgcatacg cgcctctccct gtttagctct tctgttagaa atagtatctt 60
 tgttttcctt tgctgttcct caatccccta ctcttcaccc cttgttttca cctattttgc 120
 gagaacccat ccagatcccc ctcccttct tcccctgccg gccagttat ggcagagAAC 180
 gatgtggaca atgagctctt ggactatgaa gatgatgagg tggagacagc agctggggga 240
 gatggggctg aggcccctgc caagaaggat gtcaagggtt cctatgtctc catccacagc 300
 tctggctttc gtgacttctt gctcaagcca gagttgtctc gggccattgt cgactgtggc 360
 tttgagcatc cgtcagaagt ccagcatgag tgcattccctc aggccattct ggggaatggat 420
 gtcctgtgcc aggccaaagtc gggcatggga aagacagcag tgtttgtctt ggccacactg 480
 caacagctgg agccagttac tgggcagggtg tctgtactgg tgatgtgtca cactcgggag 540
 ttggcttttc agatcagcaa ggaatatgag cgcttctcta aatacatgcc caatgtcaag 600
 gttgctgttt tttttgggtg tctgtctatc aagaaggatg aagagggtgt gaagaagaac 660
 tgcccgcata tcgtcgtggg gactccaggg cgctatcctag ccttggctcg aaataagagc 720
 ctcaacctca aacacattaa acactttatt ttggatgaat gtgataagat gcttgaacag 780
 ctgcacatgc gtcgggatgt ccaggaaatt tttcgcatga cccccacga gaagcaggtc 840
 atgatgttca gtgctacctt gagcaaagag atccgtccag tctgccgcaa gttcatgcaa 900
 gatccaatgg agatcttcgt ggatgatgag acgaagttag cgctgcatgg gttgcagcag 960
 tactacgtga aactgaagga caacgagaag aaccggaagc tctttgacct tctggatgtc 1020
 cttgagttca accagggtgt gatctttgtg aagtctgtgc agcgggtgcat tgccttggcc 1080
 cagctactag tggagcagaa ctccccagcc attgccatcc accgtgggat gccccaggag 1140
 gagaggcttt ctcggtatca gcagtttaaa gattttcaac gacgaattct tgtggctacc 1200
 aacctatttg gccgaggcat ggacatcgag cgggtgaaca ttgcttttaa ttatgacatg 1260
 cctgaggatt ctgacaccta cctgcacgg gtggccagag caggccggtt tggcaccaag 1320
 ggcttggcta tcacatttgt gtccgatgag aatgatgcca agatcctcaa tgatgtgcag 1380
 gatcgctttg aggtcaatat tagtgagctg cctgatgaga tagacatctc ctctacatt 1440
 gaacagacac ggtagaagac tcgcccattt tggaatgtga ccgtctgtcc ttcaggagag 1500
 gacaccaggg tggggtgaag gagacactac tgccccacc cctgacagcc cccaccccat 1560
 ggcttccatc ttttgcata ccaccactcc tgaaccccca tttctgattt gtcagaattt 1620
 tttttttaaC aaactaaaa atgaaaaaaa aaaaaaaa 1658

<210> 12
 <211> 1287
 <212> DNA
 <213> Homo sapiens

<400> 12
 atggcagaga acgatgtgga caatgagctc ttggactatg aagatgatga ggtggagaca 60
 gcagctgggg gagatggggc tgaggccctt gccagaagg atgtcaaggg ctctatgtc 120
 tccatccaca gctctggctt tsgtgacttc ctgctcaagg cagagttgct ccgggcbatt 180
 gtgcactgtg gttttgagca tccgtcagaa gtccagcatg agtgcatccc tcaggcbatt 240
 ctgggaatgg atgtcctgtg ccaggccaag tccgggcatgg gaaagacagc agtgtttgtc 300
 ttggccacac tgcaacagct ggagccagtt actgggcagg tgtctgtact ggtgatgtgt 360
 cacactcggg agttggcttt tcagatcagc aaggaatatg agcgttctc taaatacatg 420
 cccaatgtca agttgtctgt ttttttgggt ggtctgtcta tcaagaagga tgaagagggt 480
 ctgaagaaga actgcgcgca tatcgtcgtg gggactccag gccgtatcct agccctggct 540
 cgaaataaga gcctcaacct caaacacatt aaacacttta ttttgatga atgtgataag 600

atgcttgaac	agctcgacat	gcgtcgggat	gtccaggaaa	tttttcgcat	gacccccac	660
gagaagcagg	tcatgatgtt	cagtgtctacc	ttgagcaaag	agatccgtcc	agtctgccgc	720
aagttcatgc	aagatccaat	ggagatcttc	gtggatgatg	agacgaagtt	gacgctgcat	780
gggttgcagc	agtactacgt	gaaactgaag	gacaacgaga	agaaccggaa	gctctttgac	840
cttctggatg	tccttgagtt	caaccagggtg	gtgatctttg	tgaagtctgt	gcagcgggtgc	900
attgccttgg	cccagctact	agtggagcag	aacttcccag	ccattgccat	ccaccgtggg	960
atgccccagg	aggagaggct	ttctcggtat	cagcagttta	aagattttca	acgacgaatt	1020
cttgtggcta	ccaacctatt	tggccgaggc	atggacatcg	agcgggtgaa	cattgctttt	1080
aattatgaca	tgcctgagga	ttctgacacc	tacctgcac	gggtggccag	agcaggccgg	1140
tttggcacca	agggcttggc	tatcacattt	gtgtccgatg	agaatgatgc	caagatcctc	1200
aatgatgtgc	aggatcgctt	tgaggtcatt	attagtgage	tgcctgatga	gatagacatc	1260
tcctcctaca	ttgaacagac	acggtag				1287

<210> 13

<211> 26320

<212> DNA

<213> Mus musculus

<400> 13

tcattggatgg	ctgtgagcca	ccatgtgggt	gctaggaacc	aaacctggag	cctctgcaaa	60
ggcgacttgt	gcttttaacc	actcagccgt	ctccgggccc	tgagccgaga	cagcctggta	120
gaaagcctca	gcccagcatg	gagctgcctc	ccaaattctg	gcattcaagg	tgtgcaccac	180
cactgccggc	ttgtctgctt	tcaaagagct	ttaagtgggc	acgcacatgt	gtggtgggtcc	240
caggacaaca	ctgtagagtt	ggctttccct	ttcaccttta	tgtcgatttc	aggattaaac	300
tcagattgtc	tggctcgagg	agggggtcct	accactacc	ctactccagt	agacctgttg	360
ttttgttttg	ttttgttttg	tttttttctg	gcaaagggtc	tgtgctgggt	aatttattgt	420
caacttgaca	cacaaactgg	agacacctgg	gaagagggaa	cctcaattga	ggaacagcct	480
ccatcagatt	gacctattgg	caggtcgggg	ggatattttc	ttgattaatg	attaatgtgg	540
gagggctcaa	ctactgtggg	tagtgacacc	cctgggcagg	tggtcatgga	ctgtataaaa	600
aataacaaat	taaaaaacia	acaaaaaaca	gcaataacaa	gcaagctgag	caagctatgg	660
agagcgatca	ctttaaagca	acattccctt	tctgctttac	aaaccagttc	tgcccacagg	720
ctcctgctgt	gcggtccagc	ttggcttctc	ttgatgatga	gatgatgaat	tccaatcata	780
agatgaaatg	aaccttttcc	ttttcaagggt	ggttttgggtc	aatatgtttt	cctttttctg	840
ttttgtttgt	tacttttctt	tttccaagat	ttaaaaaaaa	tttttttaaa	tagtgtgtgt	900
atgtgtgggtg	tgtgcctgag	aggcccatga	catgcatttg	tgaatgtcag	tgcagttgcc	960
catggagggtt	agaggagcag	gacctcccta	gagctgggggt	taggggcagt	tgtgagttgg	1020
cctatgtgag	agctgggaat	ggaacttggg	tcctctgcag	gagcagcctg	cggagtgtgt	1080
tctccctctg	cttgggtcagt	gtttttcaca	gcaacatgaa	agactaggag	aggatcttat	1140
gtaacacagg	ctggtttttga	acttgctatg	tagttgaggc	tagccttgaa	cttctgatte	1200
tccgacctcc	acctctcagt	cactgggatt	ctgtgtgtgt	gctgccatgc	ccatcagtac	1260
ctagttttagc	caatatcagt	ccccaagaac	aagaagtatc	aaaggagaaa	agcactctag	1320
cgcctctcat	ccagagcacc	cccatcacc	cagcagccca	aggtacataa	caaagagagg	1380
agatgacact	ctcccagggg	cacggcatgc	ttccagagtc	cactttgact	ttaggaaaca	1440
ttcacagtgt	ttcctaaatg	acttctgtct	ctggagaaga	ctggagtgag	gacagccagg	1500
cagtcagaag	ggccacattc	acatgggtcac	accacatgt	acctctctga	tttctgtgt	1560
ttgttaactt	cccttccata	actctctgtc	tctctctgtt	tctgtctctc	tctctctcag	1620
tctcttgtct	tcccccagca	gttctcaacc	tgtgggtctc	aaactcttct	aggtttgaat	1680
atcaaatatc	tggcattttca	gatattttaca	tcacaactca	taacagtatc	aaaattacag	1740
ttatgaagta	gcaataaaaa	taatttttatg	gttgggggtc	accacagcat	gtggattaaa	1800
gggttgcagc	tttaggaagg	ttgagaacca	ctgcctgaaa	accttaatca	agcaacattt	1860
ctagaaaaac	tttttatatg	acctagtaaa	aagtttttac	tjaggtgtgg	tagtatatac	1920
acctgtaatc	ccagtactca	ggaagtagag	gcaggaggat	tgtcacagtt	tgagaccaat	1980

ttgggtcgaca	aagagaggtcc	tagggccagcc	aaggctacat	agttaaacc	tgttacaaac	2040
aaataaacct	gaaaaacaaa	atgaagcaga	gatgtgaaag	gactgagcga	ggaaaggtgc	2100
ttgttaccaa	gtctaggatg	tggtagaagg	aaagaagtga	ttgatccctg	aaagttgtcc	2160
tctgacctcc	tcatgtatgt	ataagtacac	acacacacac	acacacacaa	acacacacac	2220
accaccacca	ccacccccac	cacccaaccc	cacactatac	agcaaatagt	aacagcaaag	2280
ttcctggcat	ggtggcacac	acctttaatc	ccagcactca	ggaggtagaa	gcaggcagag	2340
ctctctgagt	ttgagggaag	cctgggtctac	aaagcgagtt	ccaggacagc	caggactggt	2400
ccacagtcct	gtctcaaaaa	ctctgtctca	aaaaaccaaa	ctaaccaacc	aaccaacca	2460
ccaaccaaac	caaaccaaaa	acaaataaac	aaacaaaaag	acaaaaacca	aaaccagtaa	2520
agcaaagcaa	agcaaaacaa	aacaaaacaa	aacagcaaaa	gagtaccatc	actaaaactg	2580
caacacaaca	caacacagca	caacaacagc	tttagtccca	gatctccgtc	acaaaactgg	2640
aaagttcctt	gagagtactt	tgaccatctg	tggccactac	atcttctgtc	tgtttgagac	2700
aggggtcac	tatcggaccc	tgggtggtctg	gaactcacta	tatagacaac	tgccctcaaat	2760
ttgtgacaat	cctgggaata	aggcctgcac	caccacacct	ggcttgtgac	catcatattc	2820
tttgctgagg	cttcacagat	ctgtcaacaa	gacttgtaag	gtggctgctg	cctggaaaga	2880
cacagtgtat	cctgtggagaa	cagagctcat	tcttgagggg	tttgggcca	gtgcagttta	2940
aattctggca	gtgttcatat	ttaatcttca	gaaaaggagt	taatctgtca	gatctcgggt	3000
ccttgaattg	cagaattcta	cacacactca	cacacacatg	tgagagcaca	tagacatata	3060
gacacacacc	acatacacag	agatatacac	taaaataaaa	tttcttttta	aaaaatgaga	3120
tgggtacatat	caaataactca	taagaggacc	taaatggctg	ggcatatagt	gcatgtttga	3180
tgtgtatgag	accctggatt	tgggtggccag	aactaccaga	acaatgtcgt	gttacagaaa	3240
aaacaaactg	catcagaagg	ccagtgcctac	gagttagcta	ttgatactta	taattcattg	3300
acatccctgg	agacctgctg	gggcaatctt	gtctcagaac	ctgctccgca	ctgaaactgtg	3360
ctatctctgg	ctctaattac	ttcccttctc	ccacacttta	gagagccggt	agaacagaa	3420
tctataacaa	ggcaggtgca	ttgactcgtt	ttatgtgagt	ctacctgcac	ggttcagagg	3480
tggggagcct	gaaaacacca	cagctgctca	gtctgcacag	ctggatgcct	cagtagtcc	3540
aagtgggtgct	gacttccctg	gtgactcctg	gacagccctg	gtcttcagtc	tgcatgggga	3600
ggctgaggca	gctgcatgct	aatggcaggg	acagtggctt	tgaccagaca	aaggagatca	3660
aacaattgac	accttttgtg	gaacttccct	ggaggtggac	catcctggga	ggtcctgccc	3720
accctgggtg	ggctttcttc	ctcagttgtc	cttcatggaa	atattcctata	gaccttctca	3780
aagaattttt	tagttgagtc	cggagccaat	caaattggca	gttaagatta	accatcacag	3840
agcacctttg	atcccagcac	tctagaggca	gaggcaggtg	gacctctgag	tttgaggcca	3900
gcctagtcta	gagagagaga	gagagagttc	tagggcttca	gaaagaaaag	ctgtttcaaa	3960
actactcctt	cccccaatat	taaccaacac	aatttgtctc	tccctcttct	tgatgttttt	4020
agttgagatg	tcaacaaaga	ccaatggcgg	agctogaagg	aagccttggt	ggtggtgtcc	4080
tgtcacttgg	taggtgcagc	tctcttccct	ccacctctag	aattatgtta	tccagggtgt	4140
tcagtgaaca	ggacaaagaa	atgaactcta	cttgtgtaac	cagattatta	tgggctacct	4200
ctaactctgtc	agaaagaagc	aaggggctca	gctagctcat	agtttttatt	tatacaagct	4260
tttctcatta	gtttatttga	cagtgttatt	taggagccac	ctcagactcc	tcttcaaata	4320
tccaaaatgt	ccctggaaaac	ttatattagt	ttctctatcaa	aatccaagta	cgtggctgct	4380
tctctctctc	ctccttctcc	tctctctctt	cttctctctc	tttctctacc	accatcttct	4440
tcttccattt	ccatttccca	ttccatttcc	catttccatt	ccacttctta	ttctatttct	4500
tctttggaga	cagagtcttg	ctatgtctgc	cagattgggtc	tcaaaactcac	agcaatctct	4560
ctgcctttat	ctcctgagca	ctaggattat	aggcatgaac	caccatgcct	agtttatcaa	4620
gttcttgggg	actaaacacg	gggttctagc	atgctctcta	tcaactgagc	ccatttccat	4680
ctctgatgtc	acctatcttt	aagcaatgat	aggtttcttc	tctgtctgct	tttttctatg	4740
ggtgcttagc	tatttggctt	cctgtctgttc	gctttgtgct	gattctccac	ctcccttgct	4800
ctcagaagca	catacatgtg	agcagcttct	catttaattt	tggggatgta	tjattttctga	4860
aatgtttatt	jgaaccacgt	aagggaagtga	ctgaaggaa	gcagcaacat	ccatttgggg	4920
gctgggacgt	taagtgggaa	tacccagggc	agatgagaag	ctaaggttat	tccaggctat	4980
cttagtcagg	gtttctattc	ctgcacaaac	atcatgacca	agaaacaagt	tggggaggaa	5040
agggtttatt	cggcttacac	tttccacatt	gctgttctac	accaaggaag	tcaggattgg	5100

aactcaagca	ggtcagaaag	caggagctga	tgacagaggcc	atggaggaat	gttcattact	5160
ggcttgcttc	ccctggcttg	ctcagcctgc	tctcttatag	aaccaagact	accagcccag	5220
agatgggtccc	accacaaggg	cctttccccc	ttgatcacta	attgagaaaa	tgcccttacag	5280
ttagatctca	tggaggcatt	tcctcaactg	aagctccttt	ctctgtgata	actccagctg	5340
tgtcaagttg	acacaaaact	agccagtaca	caggccaagg	gaaacctctg	tcattgggtgc	5400
ttatctctag	ccattgtgtt	aatattgccc	attcccatca	gcttatagat	ctcttgagggt	5460
catgaaccca	tgtgagttcc	taaaatgacc	agatagctca	ttatttttgc	atttgatgcc	5520
tacttatgga	ttgatttggt	atgtaatgaa	ctttctttgt	gtttgtgttc	actgtgatat	5580
tgtattttcta	gtattttcact	gtaaagaaca	tagagacgta	aacaaacaag	gtccacaagt	5640
ccagtaacct	cactacctag	agagactact	gttaatatat	tgtcctgggt	gcttctcttt	5700
tcttttttga	gacaggatca	catcatgtag	ctctggtttg	tctagaactc	tctatgtaca	5760
ccaggctacc	ctggacctca	tagctatctg	cctgtctctg	cctctaggca	tgaagacaaa	5820
gcacaccatc	atccccaat	ctctcccttc	tgaccaagag	aggttcttga	acctattatt	5880
cttctgtctt	agcctcctga	gatcagggtc	atacagatgc	atgtcactat	tcctgactgt	5940
tttctttctt	tctttctttc	tttctttctt	tctttctttc	tttctttctt	tctttctttc	6000
tttcttctct	cctttctttc	tttctttctt	tctttctttc	tttctttctt	tctttctttc	6060
tttctctttc	tctctctctc	tttctctctc	cctctctctc	tctttctttc	tctctctttc	6120
tctccccccc	tctctctttc	tttctctctc	tcttctctct	cttctctctc	ttacttcttc	6180
cttcttcttc	ttcttctctc	tcttctctct	cttttctctc	tctctctctc	ctcctctctc	6240
tctctctctc	cctctctctc	cttcttctct	cttcttagaa	agagtccgag	gtatcccagg	6300
ctggcttcaa	actcagtatg	tatcaaaggc	tagccttgag	ctctgatcc	tcctgactct	6360
tcttccccag	gactgggggt	ataggtgtgt	attactgccg	ttggatgtct	ttatatttta	6420
aagcaaaaat	ggtatcataa	tttgtgagtt	cagaatttat	cttcatttaa	acatcacttc	6480
agaaatcctg	atgtctcttg	ctcaccacgc	ttcccactaa	agaactgcag	attctcttct	6540
gcgtatgggtg	gcatgtctca	gaccacccac	acaagttgaa	aacacagtga	gctgaaaaat	6600
gtgcagatgc	cacggcttaa	tctctctgcc	cagagtaggg	atgctatcct	tcagcacgac	6660
atctgctcac	tatctctagc	ccaaggaaga	aaattacaac	ttaaaatttg	aagtctgggt	6720
cctattgata	atgtatcttt	tacagcatca	aaaaaattga	aaagaatctc	ttcatttggt	6780
actttgtgtt	gctacaagtt	cttactatgt	gactcaagct	ggcttcaaat	ttgctattct	6840
cctgtcttag	ccctcccacg	tgctatgatt	aatgtatgtg	tacctccatg	ctgagtgggtg	6900
attagagcca	ttctaagacc	aggggtctatc	aactctaata	tccagttccg	tattctctat	6960
tcttaattgc	catttatagt	tcaagggcag	cccacctatg	gactcatata	ctagtaagggt	7020
aaaaagatga	gctgaaatag	ttacatgtca	ctctgatcc	tctgcccctc	tctctcccaa	7080
ggaaccatta	ccacagactt	tgtatctgtc	tctctacaaa	tcccaggctg	gaaatcacia	7140
tgggaaggcag	gccagggtgg	agtggcccta	aagagcttca	acctgtgtct	cagtgaacct	7200
agaccagaat	tgctctaatt	ttcatagcag	agatggcagg	actaattctc	acattcaaga	7260
tggctctctat	taacctagaa	ttgtatagca	taggaacctg	actgcccctc	tttgaacctc	7320
acgaattata	cacctagagc	tgtacacaca	cacaaaaaac	cctcctctca	acataggaag	7380
acacctgtct	ctttgtccca	tgtgacctct	ttactattaa	cctacaggta	gttctctgact	7440
tgccattaga	taattggata	aattaaaaag	aaaatcaaat	atagttttgt	agacattctt	7500
ttaaaatgctt	gaagatacag	aagtaaccaa	gttaactgagt	gtaacccaaa	ttgtttgggt	7560
ttcaaaaagc	tactgggtatt	gtctggatag	atgcttcaga	gacggaggga	aagcagtggc	7620
tgtctcttcca	caggactggg	gtttgattcc	cagtgcctcag	atgggttaca	attgactgta	7680
actccagttc	caggggattt	aatcccttct	tctggcatct	gagggcacca	ggaatgcaca	7740
tggaaacagag	acacatgaat	agacaaaagc	ccatacactg	gggttgaggt	taagagctga	7800
taaggggaac	tgggtttgat	tcccagtaac	cacatggtag	ctgacaacca	actgtaactc	7860
cagtttgagg	ggatctctca	ccttccactg	acctcagatg	ccaggtaacc	acaaggacaa	7920
catacgtaca	tagatagaac	tagggcctca	tgcattgcaag	gcaagtaagt	gttttgccctc	7980
tgaattttat	ccctgcccct	cttgtatgtc	ttctctttcc	tgttctttta	tagacagaat	8040
cttgtacaca	cctgcccacc	ccaggttttg	aacttgccagt	gaggacttct	gctctgccc	8100
caagagtaact	aagatgaactg	gtgtagtga	gctgtttata	gattgtaagt	tatcttcttc	8160
cttttaggagc	tcagggctat	gggtgtagct	tagtggcaga	gggttgact	agcgcagtgc	8220

agggcatggg	ctgtatccta	agcactatat	aaagttctta	acttttcatt	tatttatctt	8280
gacacacaga	cacactctct	acacatttct	ggctgtcctg	gaactcacta	tgtagaccag	8340
gctggccttg	aactcaccga	gatctgcctg	ctattgtctc	ctgagtgtctg	ggattaaagt	8400
cgtgcctcaa	catgcccaac	taagaagaaa	gtttgttaagg	aaagagctag	taaattgaaa	8460
atggctggaa	caaagagcct	ggaattgggt	tgtaaagggtg	cccacctggc	atgggaaagt	8520
acacaaactg	cactgtgaag	ggagtaacag	gaaaaattac	atctatgaca	agaactcggg	8580
agctgggtgt	ggtggcacat	gcttttagtt	ctagcaatca	ggaggaagag	acaggtggat	8640
cttcaagggg	agccttgccct	attttagtggg	ctccaggaca	gccagaacta	catagtgaga	8700
cttgtccccc	ttcccaaaga	actccgtact	ttggaaagag	catgctggca	atcatgatga	8760
tctggttggc	acaagtgaga	atagagatta	tgatgatcaa	aaaagtgtta	tcacaggtgg	8820
ggacagaaac	aaaactagat	gcttcagaaa	tagaggtgag	tcgagggaac	tggggtgtgt	8880
gtgtgactgg	tgatggaaca	cttccagaga	gtggggcagg	aacaggatca	acgtttgaca	8940
ggttttagtg	tctgtgagag	gtccaaaaat	gcacgttaga	tagtttgga	ctactgagg	9000
gcttctagat	ggtctggatt	gtaagtagaa	gccatcaact	gtttatggtg	agggtgaag	9060
tcctgagaat	gggactttta	ctttattatt	attattatta	ttattattat	tattattatt	9120
attattatta	gagccagtga	ttcactccaa	tccaggctgg	ttcagaatag	aattcgggtg	9180
aatactggca	ctttaaaaga	tcacaagggg	aaagagacga	ggcatcctta	ttaatagggg	9240
caagataacc	cccccttaag	atcttgcaga	ttgtaaagag	ctgataaaca	gctcttccgc	9300
gtgagcatcg	tcacccccca	gtttaagaga	ttgagcagtt	ctattcttta	gcactggttg	9360
ggagaacaga	ggtcagattg	acagaatgta	gcagagagta	ggagtgggag	tctttcctga	9420
cagtgggtcc	tacttgcttc	caataatcac	actctgggoc	acttgcaacg	gctccttgaa	9480
ggagccgcgg	tcgagagggg	gttaactcag	ttgtcaggag	aaggcaggcg	cctaaaaacg	9540
tttggaatttc	aagctgtaga	cattggcggg	cttttagtca	gagccgcaga	tagggcgaca	9600
gcggaggagt	gtcgggacaa	cggaccaagc	cggcctaggg	actcgctaca	gcaccccgcc	9660
tcctcgcttc	cgcaagtgga	gagcgaagag	ggcagggggc	ggtcctgtaa	tactgaccac	9720
gccccttccg	ctcgctccgg	ggagcgcagc	tgggcgtgga	ctcaagggcg	gggtctgcgg	9780
ggcgggacct	gcaggggtgg	gccgatggcg	cggggcgggg	ctctgaggac	agcgacagcc	9840
cgcgcactgg	gcaggagtta	ctgctgctac	ggtcgcccg	gtcttcaagg	tctctgcgct	9900
tcctcaccgg	agacctggac	tcggccgcca	tgtccgccc	ggaggaggtt	gatggcctgg	9960
gtgtgggtcc	gccgcactat	ggctgtgagt	gccgagggct	tgggggtgcg	cgggcgaggg	10020
accaagctcg	ggttttccca	ggggctcagc	cgggcgggtg	cgccgggtgg	cttgggaccg	10080
cacggacccg	gaagagcagc	tggctgtatg	gctggtagca	aggttggcgc	ccgagccttc	10140
tcgagctccg	gaggcggcgg	gtagaaacct	ggaggcctct	gccttcgcta	ggcgtgcgg	10200
caggggagcc	ccaccagct	cctccaccgg	ttagttctac	tgagattggg	gaagacggcc	10260
taggggtgagg	tggcaggaga	actgactgtg	cagggcgtgt	cctgggcact	ggacccaggg	10320
gttctgctcg	ggcgtggtgg	gaaggtgctg	cccggattgc	tgcctgcgag	ggtgaccag	10380
ggcgcagacc	cgcgcagcct	caggctagct	gcgaggtgca	gttttaggca	agcagcttat	10440
gctttctcct	gctgggttct	ttcttttagca	tttcaaaagt	aaaattaaaa	cataaacaca	10500
cccaaaccgg	ctccccccac	ttctctcattt	tctgtgacta	tccttgcaac	cttagtaaac	10560
taaccagctg	tacgtgggat	agtagttaca	agaggatccc	tttgagtccc	aggttttagat	10620
tttatgtttt	gggaaaagta	ctttcttaaaa	ggatacttta	acacatccag	ttatgcattg	10680
gatagtgtta	taatgtgtgc	tacgtttgtg	aaattagggg	tgaaaaagat	caaacagtgc	10740
cttcaaaaac	tgtccgagaa	agagacaggt	gtacagagat	tgataattag	atgaggggtt	10800
gggaatttag	ccagtggtta	gagtgccttg	ttagcaagtg	caagtcccca	gctccaagaa	10860
aaaaaccaat	aaggtgcaat	aaagataaat	gatgcatgaa	ctaactctaa	ctgggtataa	10920
agagtaatgg	gggtgaagag	aagggaactta	acaaggccat	gggaaggtag	gtgctgactt	10980
ttaaacagag	gcttgaggga	tgcagtgtgg	ggcaggggtg	gcaagacatg	actttgagag	11040
ggcagacaca	aactaaatat	ggtattggag	aacatagggg	tactgtacgt	ggaaaaccga	11100
gggcatcgaa	gtgcagaggt	ggaattgaaa	gggagaggag	aaaagtaaaa	aggatttccc	11160
gaagtagccc	aggctagagt	gagaatagct	ctgattgccc	tcccaaggag	ttatcccttg	11220
ggaagacagt	ggagaaggca	gatggctaca	aggtaaagtc	cacaggccct	ggagtcaggt	11280
gggctgcaaa	ggcccttgat	tagccctccg	actgagttct	tccagcctca	gtatccctcag	11340

ctgtcaaata	gtggtgatca	caggatgggt	ctgggctaga	gtaggagcat	gtgtgtaaac	11400
tgtgtagtcc	aggagcttcg	gttatgaaga	gaggggagag	tgtgaccaac	aaggatagac	11460
tatagttgat	gcctcttgaa	gctacaagaa	aatgtagtac	atataatatt	aaaacactta	11520
aaattttggg	tccttgataa	tttctttttt	aaagatttat	ttatttatatt	tatgtatatg	11580
agtacactgt	agctgtacag	atggttgtga	gccttcattg	ggttgttgga	aattgatttt	11640
tttaggacct	ctgctcgcct	tgatcaaccc	ctcactcagg	cccaaagatt	tatttattat	11700
tataaataag	tacactgtag	ctgtcttcaa	acggaaaatc	atttttagtg	gcccctggct	11760
acccatataat	ccactagtta	gcctgccttt	ctaggtgact	agccagcaat	ttgatggcgg	11820
tggccttcatt	ttattgctga	ggaaagttaac	agagcttggt	gtttacactc	tttcttttct	11880
gttttagccg	tcctggataa	tgagaggctc	actgcagagg	agatggatga	gcggagacgg	11940
cagaacgtgg	cttatgaata	cctttgtcat	ctggaagaag	caaagaggta	tggagggact	12000
agttggagag	tggcctggga	gaaggagctg	atgtgctgtg	cctttaaaag	agttgttttc	12060
atttctgtgt	atggtttctg	gtatccatgt	atggctgccca	gtggagggtta	gaaggcctta	12120
gatctccctt	ggggctggag	ttacagtcac	ctgatgtggg	tgggtggcagc	ccagctctgg	12180
tcctctgaaa	gagcagcaag	tgttcctaac	tgccgagctg	tctaccacagc	ctccacaggt	12240
ggctctctgt	gtgcattatg	ttttaggtta	gagtgttggc	ggctggcagt	tgaaagggta	12300
agtaggtagg	ataagtgtag	agtgtttatt	catgggaaca	agtgggccgt	ggtgggttat	12360
gatgaaacac	tctgtcgaac	acttgtgcct	gctgaaagat	ctcccacagt	tgtgtttttc	12420
agcctttctg	tttgtagtgg	ttgttttggg	tactgccagc	tgtcagaaat	aacgttttta	12480
gttagggttt	gatgttcttg	atcttctcag	tggttcctaa	ttcttcaggg	ttttggtttg	12540
tgtattgagc	cccatctcct	ggtgactcat	ggagtgggta	ttaggttttag	ggggctggta	12600
aggggtggagc	tgaaaggggc	tgaggacata	cctgagtggg	aaagtacttg	ttgagtgcct	12660
aaggctcctgg	gagacaccca	gtgccagaag	aaaactgcag	aaccttctta	cgagggtcat	12720
gccgtagcta	tagatctgtc	caccagcagc	atggtgaggg	ctttccgcaa	actcaatgct	12780
gccacacatt	tttttttttt	ttgagatggg	atctcagccc	taggctggcc	tcaaactcat	12840
cctgctgctg	aggcttctct	ggtcctccca	ctagcatctc	ccaagtgctg	agattacagg	12900
catgcgccac	cacacccatc	tcctctgcac	tctttatgag	gaggatactc	agctgctggt	12960
tatcttctcc	agatatctca	agaccttggt	atcttaattt	taggggtgtca	gtttgtttatc	13020
agtgggttct	tttgttgtgt	tgtttacatt	tctttgcaag	gttccagagc	agataaacac	13080
aattataggt	cgtgtacact	gaagaataat	gggagataat	tgtcatccag	gcttagtgaa	13140
aaccagggat	gttttagatg	attaaaacaa	gagtggaaat	ttgatttgat	tgtcaagagc	13200
tggccaggaa	agttggcagt	aaatatgagc	tcctaggccc	aagaagccct	tcagagctcc	13260
cttttcttta	aagatgacaa	aaactgcccc	agatatgggc	cccttggcac	cctgccttgg	13320
actctttata	agactgaagt	agcggcttcc	ctggaactgg	agttgaaggga	gattgtaggc	13380
caacctagga	gttcttaggt	gctagaatgg	gaccggctct	taactccaga	gaatggaagc	13440
ttagtaagat	gttttttgga	gtgcccaggg	agggatgagg	cataaagagc	agttgctgoc	13500
cctccagagct	gctttcccca	tgtgatggca	aatggaaact	caggagagcaa	gagaagaagg	13560
tactgtgaga	aaagggaacat	tttctcctag	gaagtgtgtta	aggggataca	aacacttaag	13620
tcctctgcca	cttaaatgtg	gaacttctcc	ttgtggaagg	tcaagggaatt	tgtaaagctgc	13680
agctggctctc	agaagccatc	ttgtgtgctc	ccttgagcca	togggaatga	gaagggaagac	13740
atcagccttg	tgagtccctc	tcctacctgt	aagagtttta	cttttccaga	agtgcttgag	13800
gtttccagacc	ttgtgcctgc	taagtgtggg	gtcccatctc	tgacactaag	tcaacttctg	13860
tcctgactag	ccacctcatt	tcagtggaga	aaccaaggcc	tgagctttct	tagcctacct	13920
gtagcttctc	ttttaggggg	aggggtcatg	tagcctaggc	tggcctggag	ttcacaatgt	13980
agctgagaat	gacagagccc	ttagccaggt	gccaaacaaa	gttgcctgoc	actacacctg	14040
gcatagtttc	ccatagtttt	ctggctaagg	aatgttccatt	gtttgggcag	tggctcctcaa	14100
ctgggtatgt	ggtatgtgca	ttagaatctc	ttgcgaaaag	ttttacaaat	ggggataatc	14160
tgggtttttac	tgcgaacac	tcagtaagtj	tcctactgoc	gagccatacc	ccagcttccat	14220
acctaaatat	ttcaaatacc	ttaaagtgatt	tagatcgggt	ttcttacctt	ajttgagaag	14280
taggatattc	gtacttttaa	cacgttttaa	ttttctttga	atggttttag	actctgacct	14340
attagaagtt	aatgatgctc	ttcacacttt	ctttccgggt	gcagggctgg	caacatttta	14400
tttgacgtac	gttagagcat	gtccttccct	acaggcgtgt	tttccgggat	agaaaagttag	14460

cctgattatg	caacccatcg	agagaccact	agtccttgaa	gggtttttca	gttggttggt	14520
tacgttaggc	agtaaagatg	tttatgatat	tcttatttac	ttccttcttt	acttaaagct	14580
ctgggcataa	tagctgtgta	ttgccttggt	atattctggc	aatgtggaaa	tggtgcctgg	14640
tttattttag	gggagtaa	ggtatcaaat	ttgcattctg	tactgttctc	cctgcacccc	14700
ccccccccc	cccaaaaaa	aaacattcaa	cagccacctc	tggttagaaa	atcagttatg	14760
gaagagagt	aagaaacctg	gcaatgttat	ggtgggagta	gtatttctac	cgtcgcctaa	14820
tgtgatgcct	gctggccagt	cgcacatcagc	caagatcctc	tccctgcccc	gtgcctcacc	14880
tgggcagctg	ggtggtgtct	gtgtgctccc	ggggctcatt	ttccctcaag	caaaagccca	14940
agtggccttg	ttggattggc	ctggtcctat	ttcctcccaa	tttgaggagg	ccccagggtc	15000
tggagtttac	atcaacttgg	aggccaggaa	taaagatgag	agagattcag	gggagaaaagg	15060
ctccctcata	cttctattta	taacacctct	gcccctcctg	ctggaggctc	tacotttagt	15120
acagaggcgc	tattgtgtat	cctgaggctc	tctttctcct	gtacctttca	cagagtttgt	15180
tcttggggaa	atgaggagtt	tagagaacga	gactgaatgc	atggagactg	ttgtttgtct	15240
gtatgtctgt	gtgtagagag	tagaggatgc	tgcaggatag	ggtttggggt	tgtagtttcc	15300
caaaaggtta	agtgaggaca	ttaagtgtga	gtttcagaaa	actgtatact	gggaatgggt	15360
gagactctaa	tgcagagatt	tctgctttat	tgtttgaaaa	gtggcttcag	tatggaactt	15420
aaactgatgc	tctaataaaa	tatttttagga	tgccaagata	tagcagagca	aaggctgtca	15480
agggatgctc	tttagtgctt	acacctattt	ccttacttat	ttatgtgtgt	atztatggct	15540
cttccgattg	ggcttgacgt	ttatttttagc	taaggagtag	ctgtatgaga	aagggatgcc	15600
atttcacctg	ttgacggagg	tgacattgac	ctgtgaggta	tgtaggtaact	cgggtcttga	15660
gacgagaatg	taacagagac	gaatcagaag	gtggcttagg	gagaaaaaga	gaaggaggca	15720
agagagaatg	tactgggtaa	gccagaggag	tgggagagca	tgaggggcaa	tgcaggcaaa	15780
ggaaacgtca	gttagggtaa	cggtcacaca	gacagttcat	tctatactcg	tcagtcacgc	15840
athtagtcgt	gtctttcagg	gcctttctgg	tggatccctt	tgagtcttcc	ctgggctacc	15900
ttcttcttga	gcacccacag	cccagcttac	agagttagga	cactccccc	actccctctg	15960
tagaaaggca	agtacaggct	gtggctgggt	ggagattgtc	tgagactacg	tgatattaac	16020
aagagcttag	cattaactgg	aagctcttta	ctccacttga	ggggaactgg	agaggtat	16080
tggaaagaaa	acagcttttg	aaaacagatt	cccttttgtg	tgtacatctt	tgctgttggc	16140
atagaacatt	ttctgggttg	gccttttgag	atgcctctcc	agaatgggat	tagaattcca	16200
gaaaaacatc	tggatatttc	ccagttcaga	ctcttgattt	tgaaaacaga	agttgggata	16260
tttaatttag	gcaaaatccc	taagtgtata	ggcaaggta	ctaggaaaac	cagcatgcct	16320
accagctttt	ggagttttaa	gatggagaag	tatagcttaa	ggctgaagga	agaagcagtt	16380
gtgtaccca	cagggttaaca	gcactactca	cagtaacagt	gttactcaca	gggtaacagc	16440
gtactcaca	gggtaacagt	gttactcaca	gggtaacagc	gtactcaca	gtaacagtgt	16500
tactcacagg	gtaacagcgc	tactcacagt	aacagtgtta	ctcacagggt	aacagcacta	16560
ctcacagtaa	cagtgttact	cacagggtaa	cagcgctact	cacagtaaca	gtgttactca	16620
cagggttaaca	gcgctactca	cagtaacatg	ttactcacag	ggtaacagcg	ctactcacag	16680
taacagttac	tcacagggtta	acagcgctac	tcacagtaac	agtgttactc	acagggtaac	16740
agcgctactc	acagtaacag	ttactcacag	ggtaacagcg	ctactcacag	taacagtgtt	16800
actcacaggj	taacagcact	actcacagta	acatgttact	cacagggtaa	cagcgctact	16860
cacagtaaca	gtgttactca	cagggttaaca	gcactactca	cagtaacatg	ttactcacag	16920
ggtaacagt	ctactcacag	taacagtgtt	actcacaggj	taacagcgct	actcacagta	16980
acatgttact	cacagggtaa	cagcactact	cacagtaaca	tgttactcac	agggtaacag	17040
tgctactcac	agtaacagt	ttactcacag	ggtaacagcg	ctactcacag	ggtaacagt	17100
ttactcacag	ggtaacagca	ctactcacag	taacagtgtt	actcacaggj	taacagcact	17160
actcacggta	acagtattac	agggtaacag	cgctactcac	agggtaacag	cactactcac	17220
agtaacagt	ttactcacag	ggtaatagt	gtactcacag	taacagctac	tcacagggtta	17280
acagtattac	tcatacagca	acagtgttac	tcacagggtta	acagcgctac	tcacagggtta	17340
acagcgctac	tcacagggtta	acagtgttac	tcacagtaac	agtgttactc	atacagcaac	17400
agcactactc	atacagcaac	agcgctactc	atacaacaac	agcgctactc	acatagtaac	17460
agtgtactc	acagctactc	acacagcaca	gagctactaa	tgtgagtttt	ctttcctagt	17520
ataactgtca	gtcactttta	ccagagtcca	ttgtaaactt	tacagatgtg	aagctgaggc	17580

agatgatgtg	tcacaggctt	cagtcctagc	actggggatg	gatgcaggag	gaacagacag	17640
gccagcctaa	tctacacagt	gaaatccagg	ccggccaggg	caataaagag	actttgtctt	17700
ctaaaaaaaa	aaaaaggtga	agctggggct	ggagaacggc	ttaatggtta	cagggattaa	17760
agaacactta	agttcagatc	ctcagaaaaa	tgccagggtg	gtatggcctg	tctgtaattc	17820
cagccccaga	aaacagtcga	acactagcca	tcttctcaag	ctctgggttt	gattgagaga	17880
ccctgcctca	atgaataagg	tagcagagtg	atgtcggatg	atgattcctg	tgataaacct	17940
taggcttcca	tgttcacaaa	tacacatgtg	cgtgtggccc	catatgtgta	tacatacata	18000
aagagaaata	tgaatacaca	cacacacaca	cacacacaca	cacacacaca	cacacacaca	18060
cactggaaaa	aaaatacaaa	ctgtgaagct	gtctgggtag	ctcgagttgt	aactccagcc	18120
tttgggaggt	agagacatgg	aggactagga	atgagagtca	ctgtcagcac	catcatctcc	18180
agcatgagcc	acaggagact	cagagaaata	tggagctggg	tggcatgtga	cctgagccct	18240
cggggagact	gaggcaggaa	gatacctgag	ttgagggcag	cctagactac	atagctaggt	18300
tctgtctaaa	caaaaacaaa	caggaggctt	gtgggggtgt	gcatgcttac	ctaacctcag	18360
gatttggaga	ctgaggcagg	aagattaaga	atttgagatc	agcatgggct	tccaagtgag	18420
acctgcctca	aaacaaacaa	acaaacaaac	aaaccagagc	aaagtgaaac	aattttaaaa	18480
gtctctgagt	agttactgtc	attgctaagt	cacacagctg	cccccatggt	actcacaact	18540
gcataaagca	cactgaaaaa	gcctgaaact	ccttggagtc	ttggctgctg	aggtaactgg	18600
gccatggaga	agaatgttga	gatgcttggg	tgaactggaa	aagattggga	ctttgaattt	18660
gagcaggtat	aggctttgat	tccggcttta	caagctgttt	aaccccaggg	agtgagctgc	18720
atgactctgc	agagggaaaa	aaatgttaca	gagttgctat	gggagtcaag	tagtagcccc	18780
gagagataca	gaaaacactc	aacaaatgca	tttttaagag	atttacttct	tttagtttct	18840
tttacatgag	ggttttgcct	gcccatactt	gcatgtgggt	gctgggaatt	ttaaacccac	18900
atcttctgca	ggagccttga	gccatctcgc	caggcccaat	ggatacatte	tttaacctgg	18960
tctgtggcca	aaggggagatg	taaggatgga	gggataagac	acgttaagca	cgttttacca	19020
agtatgtagc	ctaggttgct	atgaatgtgg	cccaacacat	tggggcacia	tcttatcaca	19080
gtggtggaag	ttagacactc	ctgtaagggt	gggagccctc	gtttccactg	gagacttcag	19140
tgattttttg	agaggaaacc	cagtcacaga	gaagagtggg	ggtggaggga	gtaaggaggc	19200
tgccctttta	ttgactacta	tactgctgta	tctagcatcc	ctttacacta	agatagcaat	19260
aaggggacggc	agggatcgag	ggatgctctg	tgtcaagtgc	atagttttag	gtagtgtgat	19320
cataagttca	acatttttta	aagattcagt	ttatttttat	agacatgtgc	acatgtgtga	19380
tggggaggtc	agatgaggga	gttgaacctc	ctggagctga	acttgtaggc	acttatggcc	19440
tcctgtgtgg	gagctgggaa	ctgaacgcac	gtcctctcta	agagccattg	agccatctct	19500
ccagcaccac	aaattccaaa	atttctcact	gtttttaaca	tctatataaa	atttattttag	19560
atctatgcca	atttaaaaaa	ttgctttgac	tattggctac	taagctgaac	attttgttac	19620
gtttttgtct	atagttttat	ttttatatcc	agattttctg	ttgttgtctg	cttatctttt	19680
atgtcgtctg	cttatcttta	tgtaaccttt	tgtaagctct	ccagtatgtg	gtctgtgtgc	19740
acgtacatgt	gtgtgtacgt	gagtgtatgc	acatgttttt	gtgggtgaga	gtgcacatat	19800
gctcatatat	gtggaagcca	ggagacaact	ccaggtgtca	attcctcagg	caaatatcca	19860
ctcttttgga	gacaaggctc	cattgtcctg	aggttatgtc	aagtaaggct	agccctgaga	19920
ttacaagctg	ctactatgac	tggctttctc	cttaggttct	gggtttgact	cagctcttca	19980
gtttgtagtg	aatgccttcc	tgtctgtctt	ccctgtgctc	tggtcacagg	tatactcage	20040
ctgctaactt	ctctgtgatt	taataacttt	acttaagatt	ttctttaatt	gtgtgcgtgt	20100
gcgtgtgaga	ccgggtctag	ctctggactt	gcctgtcatg	gtgagttaag	gacttctctt	20160
gactgccagag	cacttcaact	gctttatccg	ttcttactga	gaaactgcag	cagttttatt	20220
ttggctcctt	ctcaagaact	gtgacttggt	aattttttta	cttttataga	atttttgttc	20280
ctttctgatt	ggcattgtgt	tagcagtttt	gtctgtaatg	tgggcttttc	agtgggcctc	20340
tttttagatgt	gtatgtgtga	gagacaggca	cttacttccc	aagtacgtcc	tcagtcagac	20400
tctttttgat	ttataatgta	ttttaaaagc	ttccccctcc	ccctttttat	ttcttttttt	20460
aaaattttatt	ttattttgtt	acattccaaa	tgttgccctc	tctttttatt	cttaaaaatta	20520
attttcaagt	tagcacacac	ggtaatgggg	tcattgtctg	ttgtcatctt	tctgcagatg	20580
tgtcattata	ttttgttttt	ccatgtgccc	tctgccctcc	tctggctggg	tccttctctg	20640
caatatcttt	ttattttatt	tagctctagg	aaattatcca	ttttaccttt	aataattgct	20700

tctgattcat	tagttctgtc	ttgaggggtga	gctgcacaat	ctcttttatgg	cttctcttca	20760
tttcatttgt	ttatgtaaag	tcatagcaac	caagttgtgg	cgtaaatcat	ctgcagtggg	20820
catcctaggt	gtgtgttctg	ctgtctgttt	gctgctggct	tggtttagtt	ctctctgggt	20880
ctgttgctg	acttcttaga	gcgttcattt	tgacctgtaa	agtctttcta	ttcttggttag	20940
tagttaagag	ggccttcatt	agttcatgaa	gagcagaggg	gtgcatagca	gtccccccag	21000
aggtggagaa	aaggaggctc	atgggaggcg	tgggtttgac	attttacagt	tctccttaca	21060
gacagtgtgg	aggtggacgt	gaccacacac	cagtgttaac	ccggcggctg	agtgtacaga	21120
ctgttgacca	gtcaagattg	agaaagtctt	tgagagctaa	gcagcctggt	catttgacct	21180
aatttggtat	atatttctcc	tggatttaga	gatcaaagca	gtgattgtgc	tcattgtattt	21240
taaaccccat	gagacaaaat	ggtgaaaatg	tatttgaagt	cttgagttag	cttattctag	21300
gaatttcat	tcctggctct	gctgggtgat	ctgtttctga	ttctttataa	tttattctgc	21360
ttcactatga	actagtccag	agatacctgt	tggtagatag	cagggccagt	tttgagtact	21420
agtaaatgat	atgatattag	atggacctct	ggttgcttct	aattggagtt	gcctaaaata	21480
accctgtgac	aagtatttgt	gtaaataaag	tgctggtagg	caatgtgaga	ccttcaggaa	21540
gtgattcata	tcactctgct	gtttgtttta	tttgggactc	cgttgcttag	agaccatata	21600
tttgaggagg	ctgagtgtga	aatactagct	gaatgccaa	ggccaggggc	tacctgatca	21660
aattaatcac	agccctgctt	cttcacttta	gttttagaag	gtccttata	gtggcttggc	21720
agtgttttta	ttacaaaaat	taatataaaa	aacatataaa	tgaaggatct	ggctaagtat	21780
ttaatttgaa	atgtaaatat	ttacttaaat	ttgaattttc	aggaaacatt	tttttttgat	21840
agaattgggt	atctctacca	ggcattatat	atatatatata	atatatatata	atatatatata	21900
atatatatata	aacagactct	ttccttgtac	ccctcccata	cccatctctt	gagaatagac	21960
attgttttaga	tctggaaatc	ccctactctc	cccttctcct	ttctcccttg	agggcctata	22020
aaaactggga	cctctttccc	ctcgaggctg	actcctctac	ctctgcatgg	gatatgagtc	22080
gtccccagag	ctctggcttt	ccccgaataa	agcctcatgt	ggtttgcata	aagcttggtc	22140
tatcgtgagt	tcttggtgtg	ccgctattgt	cctgaggcct	gagcgagggg	ctcctcttgg	22200
agtctttcag	ttccagacaa	ctggtgtcag	ctgtcatatg	gocgaggact	ggagctgtgt	22260
ctgctcatta	aagtctcatc	cacctcaaaa	tgtccagttt	gtcttttggg	ttgtttttta	22320
tattgagaac	tgaactgaga	gtctcacaga	tgctgggcag	attacctgct	gctaaaacac	22380
accccaaata	ccagtgatta	gacaaaccag	tttgaagcag	ggtctcctta	agtcgtctgg	22440
gtagcttctg	gtttcagtc	gctgtggttc	aggagtaggt	tgggtttaca	ggcatggctc	22500
accacaccca	tttcgtcacg	tatttgtgct	tttaactgga	ttgttgggct	attcctcacc	22560
gttttttttt	tttttttctt	acgtttcta	ctggtctctg	cctttggggt	tagcttgtgt	22620
cccaccagac	tgtcctttgc	taaatagtga	cctcatgcag	acaggagtgg	caagttggat	22680
tggaaattgc	cttacatcgt	tttggaaga	gocgtgtttg	gggggtgtgg	gtggaggaag	22740
gacttgtctg	aaggcctcta	tttcttcttt	actgagaatg	ctttctgtgt	gactcactgg	22800
aaatcataac	gaaaagcaga	ggaacactgg	aaaggcagct	gccagcccag	ggctgtgctg	22860
ctgctgggca	gctgctgagg	gcctggggag	acaccaggcg	ccaagattgg	tgagattttt	22920
gaggagagaa	aatagaaggj	gattctggta	ttattgtgaa	aggtaatttt	tcaaaaagta	22980
tagttatggc	ccagattgaa	cttttctttt	tttaattcaaa	accagagtgt	gcctggctgt	23040
ggtagcataat	tcagagggga	tgggagatcc	agagaagaaa	aagcccacct	gtctcctcgg	23100
tcctgtttct	cctaccctgt	gocatctttt	ccagtttagat	ggctgttagc	attgtccctt	23160
gtgtatgcca	tatgtattat	aaatattttat	tcacgtttac	cctttacact	tttatttttg	23220
taagggtgtt	atagtaatat	catcttaaga	catgttttgaa	tttattaata	ttatttttta	23280
gcttctgaag	tcctcttcag	gocatcttca	tacagtccca	gtatatatat	gaaatttatag	23340
aaaatcattt	gagtttggag	agatggctaa	acagttaaga	gcactaatgg	ttcttccata	23400
ggacctgaat	ttgattcctg	gcacccatac	tgggtggctc	atagttgtct	taattctact	23460
ttcctgggca	tgactccttt	ggcctcttag	atgctgttaa	tgatcttggc	catgtgtact	23520
tcacaattaa	tgaaagcaaa	ataatagcaa	aaagcaaaaa	gaaaaaaaaa	aaaaaaagga	23580
gggggggtgt	gttcaatgta	gocatgtttg	gaaggagagc	aaagaaagct	agcaccacgg	23640
ttcctaaagt	cctaaagtc	gtcctcaaa	ggtctgcctt	aaaggtagga	agcaagatac	23700
ataactaagc	agccaataa	gatgtggtcc	agcccacct	ctcagctcca	agcctcctgc	23760
agggtcactc	gaggggccc	agatattttt	cctggaacaa	tgtggatgcc	cccagggtgg	23820

cattgtttcc	tcttttagca	ggaaggagtc	ctgggaactc	tccagtttct	tgggggtccat	23880
tctttcagta	atctgacagc	caaagatgga	gcacacacct	ctctttaaga	gcatatcctg	23940
ctaaacaggt	tcattacata	ctcatacata	cacacagcta	aaaatcaccc	aaaactaagt	24000
cttaaaaata	ctcccttatg	gtttcctccc	cttctccctt	cagtaatgga	gcttgaacac	24060
agggcctcga	ccatgctagg	caagtattct	gctgggcttt	acttccaggc	gagccctgc	24120
ctaatagtgt	tttaaaatat	atatatacat	gtatatgtag	catcacttaa	tatttacatg	24180
tgtattataa	tatattaaat	atgaatgtat	gtaatatata	tatacataca	cacatgtaac	24240
atgtaagtga	taaaactgga	catgtgtata	tatgtgtaca	cacatatatg	cagcgtttta	24300
acatttcatt	taactctttg	attcattttag	gattttggca	tgaggacttg	ggtagatata	24360
ttattttatt	tgttttgttt	gaggcttggt	ctcactatgt	agccctgggt	ggcctaaaaa	24420
taactcactg	tgtggaccag	gctggccttg	cactcagaga	ttcacctgcc	tctgcctcct	24480
gaatgctgag	atcaacagtg	tgtacccctg	tgtgtgtgtg	tgtgtgtgtg	agagagagag	24540
tgtgtgtgtg	tgtgtgtgtg	agagagagag	agagagagag	aggatctaaa	tgaaagactt	24600
tcactgtttg	ggaaatataa	tcgctgggct	gttgcccctc	atcttttagga	cactgttttt	24660
gtcaattaca	tgatctcatg	tagccaaggc	tactcctggt	tctcctactt	gtaccaccta	24720
agcactggaa	ctacaggtgt	gtgccgtatg	cctagcttct	tgaggcactg	taaaggacag	24780
agttgtgagt	tctaagagtt	aggattgcaa	atgtactaat	cctaattatt	tcaaacaaaa	24840
agaaaacata	tcacaaaatc	tgatctagtg	aactaatttc	tgacaaaata	caggagtggc	24900
aaaattccag	ggtacattat	cagatagctg	tcttctgagg	acttagtaag	accagaatga	24960
catgatgcta	ggagccaccc	tggctcctca	ctgtggactc	cttcggagag	ccatgctgca	25020
gaaacgtcta	ctcttgaaca	gggtcaccac	attggtgagt	cagaaaaaca	tgtaaagtct	25080
agagtgtagc	aaggcatttg	caagtgtgtc	ttgtgatact	ttgcagagag	attggttaaa	25140
tatgaattag	atttcagtgt	aattaagatg	atttatagct	gcctgagtaa	accagattta	25200
aaagggccct	tagaggggcg	tggctgctag	agggatatag	gtttctttta	gggtaatgaa	25260
agtttctggg	actatatgtt	aatagtgggt	gtacaacata	gcgagtataa	caaaccaaaa	25320
acaccacatt	gcttatgggt	aaaaaggggt	aaacttgcaa	gtctggctca	gaaaaagagc	25380
gatttggttt	gttttggttt	gcttttgaga	tctgtgtage	tcacaccagt	cttccatgtg	25440
ttgtgcactg	aggatgggtg	accttggcct	tctgggtttt	ctgtcactgt	ctctccagtg	25500
attgagagct	aagcagggct	tcattgtgtg	cagaccagca	gtctaccaac	tgagctgcgt	25560
accagccccc	ggcttggttg	ttcctttggt	ttttttgaga	taggatccta	tgtaaccacg	25620
gctggcctca	gactccttgt	acacttagag	gatgaccttg	aactcccgat	cctctttcct	25680
ctaccttcc	agttcaggaa	ttacaggtac	gagccacctg	tcattccctc	cagctctagt	25740
tgctggattt	taacgcaacg	gaagctcttt	agggcctctt	ctcacaaggg	atgtgccagt	25800
caaatttgga	ctgctagaga	agtggttaac	acaacaaact	gtgttttaaa	tacaccaggt	25860
taccacagtg	taataggata	atggtttaac	ttgtggtaga	aaaggtctaa	ctgcagagta	25920
aaagagaagc	agcattagta	gaaaaagcaa	acgacatcag	agatacttgt	taaccattaa	25980
gtctgggtgac	ctgcatttga	cccttggaag	cactgtaaag	gtggaaggag	agagctgccc	26040
cagacctccc	atgtgcattg	tggcctggga	tacacatacg	tacaataatt	gcaaattaaa	26100
aacaaatcac	gaggtggaca	gyacagcacc	caagggatga	tgtttgaggt	tgacctctgg	26160
ccttcacaca	catgtgcaag	cgtgtgcaga	tggacctttt	ctaagagcac	atgcacaaag	26220
tcggagccac	tgtgggaacc	cacgttgtag	gagactttca	aacacagatc	cacagttcca	26280
gggaagcttc	ttcctgtgct	ctaaccatt	tctgcagtta			26320

<210> 14

<211> 6124

<212> DNA

<213> Mus musculus

<400> 14

agcgacagcc cgcgcactgg gcaggagtta ctgctgctac ggtcgcgcgc gtcttcaagg 60

tctctgcgct	tcctcaccgg	agacctggac	tcggcccgcca	tgcccgccgc	ggaggaggtt	120
gatggcctgg	gtgtgggtccg	gccgcactat	ggctccgtcc	tggataatga	gaggctcact	180
gcagaggaga	tggatgagcg	gagacggcag	aacgtggctt	atgaatacct	ttgtcatctg	240
gaagaagcaa	agaggtggat	ggaagcatgc	ctaggtgagg	acctgccgcc	caccacagag	300
ctagaggagg	gccttagaaa	cggagtctac	cttgccaagc	tagggaactt	cttctctccc	360
aaagtgggtg	ccctgaagaa	aatctatgat	cgagaacaga	ccagatacaa	ggctaccggc	420
ctccacttca	gacacacgga	taatgtgatt	cagtggctga	atgccatgga	tgagattggg	480
ttgcctaaga	ttttttaccc	agaaaccaca	gatattctatg	accggaagaa	catgccaaga	540
tgcattctact	gtatccacgc	cctcagtttg	tacctgttca	aactgggcct	ggctcctcag	600
attcaagacc	tgtatggaaa	ggttgatttc	acagaagaag	aaatcaacaa	catgaagatc	660
gagctggaga	agtacgggat	ccagatgcct	gccttcagca	agatcggggg	catcctggct	720
aatgagctct	cagtggatga	agctgcgcta	catgctgctg	ttattgctat	taatgaagcg	780
attgatcgca	gagttgcagc	tgacactttt	acggctctaa	aaaaccccaa	tgccatgctc	840
gtcaatcttg	aagaaggcct	ggctcccacg	taccaagaag	tgctttacca	ggccaagcag	900
gacaagatga	caaacgctaa	aaacaggacg	gaaaactctg	acagagaaag	ggacgtttat	960
gaggagctgc	tcacacaagc	tgaatccaa	gggaatgtaa	acaaagtcaa	cacatcttct	1020
gccctggcca	acatcagcct	ggcttttagag	cagggtctgtg	cagtgaacct	gtcgaaggct	1080
ctgcagtcac	tggctctggg	cctccgaggg	ctgcagacct	agaacagcga	ctggtacatg	1140
aagcagctac	agagtgatct	gcagcaaaaag	agacagagtg	gccagaactga	ccccctgcag	1200
aaggaggagg	tacaggccgg	agtggatgct	gccaacagtg	ctgcccagca	gtaccaacga	1260
cggttggcag	cagtggcagc	aatcaacgct	gccatccaga	agggcatcgc	tgagaagacc	1320
gtgttgagc	taatgaatcc	tgaagcccag	ctgcccaggg	tgtatccatt	tgagctgat	1380
ctctatcaga	aggagttggc	caccctgcag	cagcagagcc	ctgagcatag	cctcaccctat	1440
cctgagctca	ctgttgctgt	ggagatgctg	tcattccgtgg	ccctcatcaa	caggggcgtg	1500
gagtcaggag	acatgaccac	tgtgtggaag	cagctgagca	gctcagttac	gggccttacc	1560
aacatcgagg	aagaaaactg	tcaaagggat	ctcgatgagc	tgatgaagct	gaaggctcag	1620
gcacatgccg	agaataatgc	atttattaca	tggaaatgaca	tccaggcgtg	tgtggacctat	1680
gtgaacctgg	tggctccatga	ggagcatgag	cggatttttg	ccatcggctt	gattaatgaa	1740
gccctgggatg	aaggggacgc	tcagaagact	ctgcaggccc	tgcatatccc	tgagccaag	1800
ctcgaggggcg	tccttgccaga	agtggcacag	cactatcaag	acacgctgat	cagagcaaaag	1860
agagaaaagg	cccaggaaac	acaggatgag	tcagctgtgt	tatggttgga	tgaaattcaa	1920
ggtggaatct	ggcagtccaa	caaagacacc	caagaggccc	agaggtttgc	cttaggaatc	1980
tctgccatca	atgaagcagt	agacagcggg	gatgttggca	gaaccttgag	tgcctacgt	2040
tctcccgatg	ttggcttata	tggagtgate	cccgaaatgtg	gggaaaagta	ccagagtgaac	2100
cttgctgaag	ccaagaagaa	gagactggca	gcaggagata	ataacagcaa	gtgggtgaag	2160
cactgggtga	aaggcgggta	ccattactac	cacaacctgg	agacgcaagc	aggaggatgg	2220
gctgagcccc	cagactttgt	gcagaattct	gtgcagcttt	ctcgagagga	gatccagagc	2280
tccatctctg	gagtaacccg	tgcatataac	cgagagcagc	tttggctggc	caacgaaggc	2340
ttgateacca	agctgcaagc	ctgctgcctg	gggtacctcg	ttcgacagga	attccgatac	2400
cggatgaatt	ttctgaagaa	acagatccct	gccatccact	gcattccagtc	acagtggaga	2460
ggatacaaac	agaagaaggc	atatcaagat	cggtgtggctt	acctgcactc	ccataaagac	2520
gaagttgtga	agattccagtc	ccttgccagg	atgcatcaag	ctcgaaaagg	ctatagagat	2580
cgcctacagt	atttccgaga	ccatataaat	gacattatca	aaatccaggc	tttcattccg	2640
gccaaacaaag	ctcgtgatga	ctacaagact	ctcatcaatg	ctgaggaccc	gcctatgatt	2700
gtggctccgaa	agtttgtcca	cctcctggac	caaagtgate	aggacttcca	ggaggaaact	2760
gatctcatga	agatgcgcga	ggaggtccatc	acctccatcc	gttccaaaca	gcagctggag	2820
aacgaacctca	acctcatgga	tatcaaaaatc	ggactgtctgg	tgaagaacaa	gatcacgctg	2880
caggatgtgg	tttcccatag	taaaaaactt	acaaaaaaa	ataaggaaaca	gctgtccgac	2940
atgatgatga	taaacaagca	gaaggggcgg	ctcaaggctt	tgagcaaaaga	gaagaggagg	3000
aagctggagg	cctatcagca	tctcttttat	ctcctgcaga	ccaaccttac	ctatctggcc	3060
aagctgatct	ttcagatgcc	acaaaaacaag	tccaccaaatt	tcattggaatc	tgtgatcttc	3120
acgtgtgaca	actatgcata	taaccagcgg	gaggagtacc	tgctgctgcg	gctcttccag	3180

acagctctgc	aggaggagat	caagtcaaag	gtggatcaga	ttcaagaaat	cgtgacagga	3240
aaccctacgg	ttattaagat	ggttgtaagt	ttcaaccgtg	gtgcccgggg	ccagaatgcc	3300
ctccggcaga	tcttggcccc	tgtcgtgaag	gaaattatgg	atgacaagtc	tctcaacatc	3360
aaaaccgacc	ctgtggatat	ttacaagtct	tgggttaatc	agatggagtc	gcagacagga	3420
gaggcgagca	aactgcccta	tgatgtgacc	cctgaacaag	ccttgtctca	tgaagaagtg	3480
aagacgaggt	tagacaactc	catcaggaac	atgagggtcg	tgacagacaa	gttctctctc	3540
gccatcgtca	gctctgtgga	caaaatccct	tatgggatgc	gattcattgc	caaagtccctg	3600
aaggattcac	ttcacgagaa	gttccctgac	gctggtgagg	acgagctgct	gaagattatc	3660
ggtaacctgc	tttactaccg	atacatgaac	ccagccatcg	tcgctcccg	tgcttctgac	3720
atcattgacc	tgtcagcagg	gggccagctc	accacagacc	agcgcagaaa	cctgggctcc	3780
attgccaaga	tgctccagca	cgcggcgctc	aacaagatgt	ttctgggcga	taatgcccac	3840
ttaagcatca	ttaatgagta	tctctcgcag	tctaccaga	aattcagacg	gtttttccaa	3900
ttggcttggt	acgtcccaga	gctgcaggat	aaatttaacg	tggatgagta	ctctgacctc	3960
gtcacccctc	ctaagccagt	tatctacatc	tccattggcg	aaatcatcaa	caccacact	4020
ctctgtttgg	accatcagga	tgccattgct	ccagagcata	acgaccccat	ccacgaactt	4080
ctggacgacc	ttggggaggt	gcccaccatt	gagtccttta	taggagaaaag	ctgtggcaat	4140
tcaaacgacc	ccaacaagga	ggctctggct	aagacggaag	tgtctctcac	gttgaccaac	4200
aagtttgacg	tgcttggtga	cgagaacgca	gagatggaag	ctcggaccat	cttactgaat	4260
acaaaacggt	taattgtgga	tgtcatccgg	ttccagccag	gagagacctt	gactgaaatt	4320
ctagaaaccc	cagccaccaa	tgaacaggaa	gctgaacatc	agagggccat	gcagagacgg	4380
gctatccgcg	atgccaaaac	ccctgacaag	atgaaaaaat	caaagcccat	gaaggaggat	4440
aacaacctca	gcctccagga	gaagaaagag	aagatccaga	ctggcctaaa	gaagctaacg	4500
gagcttgagg	cgggtggacc	aaagaacaga	taccaggaac	tcatacaaga	cattgccaaag	4560
gatatccgga	atcagcggag	atacaggcag	aggaggaaaag	ctgaattgggt	aaaactgcag	4620
cagacgtact	cggcgctgaa	ctctaaggcc	accttttaac	gcgagcaggt	ggactactac	4680
aagagctaca	tcaaaacctg	cttgataaac	ttggccagca	agggcaagggt	ctccaaaaag	4740
cctagggaaa	tgaaaggcaa	gaaaagcaaa	aagattttct	tgaagtacac	agcagcgagg	4800
ctgcatgaga	agggcgctct	tctggagatt	gaagaccttc	aggcaaacca	atttaaaaaat	4860
gttatcttcg	aaattgggtc	aacagaagaa	gttggaagct	ttgaagtaaa	agccaagttc	4920
atgggagttc	agatggagac	tttcatgttg	cattatcagg	acttgctgca	gctacagtat	4980
gaaggagttg	cagttatgaa	attatttgat	agagctaaag	tgaatgtcaa	cctcctgata	5040
ttccttctca	acaaaaagtt	ctatgggaag	taatgggtcg	ctcgccgccc	agaagagtta	5100
acaaaaaacg	gcagcacctc	acggctgtct	ttctaggatc	ctccattatt	ccttagaagc	5160
aaggacctgg	tccagtggcg	gtgcctcagt	tcacactccc	tctgacggac	ggaaggacgt	5220
cagtgccttc	tcccttctcc	ttgtgaagcc	ataagcctga	cttccctcca	gccctgctcc	5280
ctcattttct	ctcatcatgt	aggaaagagt	gggacccccc	cccaacccct	ttctgttaaa	5340
gcctcetaag	tggtcattac	tactttgtag	acattgggtat	ctgttttaac	tagcaataag	5400
aatggtgaaa	ttcaaattct	cgtttagaag	tgaagctgtg	caggttgata	gcaagcatgc	5460
acatcaaatt	caccagaagt	acaaccctac	ggcgagtcac	gaggatggag	tctgatgtct	5520
tccggtctgt	gcctttgtgg	gcagagctaa	tccaagttac	tgttctctgt	tcaaatgaag	5580
cagcttcagg	agaaaaagag	caattacttt	tgaattctcc	aataaatctg	gacaatgcgc	5640
ttagcgaaga	gcccttcctg	gtgaaggcaa	accatgggtc	agagcaggcc	atttagagac	5700
tgagtgggcg	gggcacttac	catcccttcc	acaaaggata	gcttccccc	gctcaaaatg	5760
taactgtttc	taaactgtat	tccaagagtg	ccttacccaa	gtataaattt	atttcttaaa	5820
atgtgagtaa	taggaatttt	aaagatttat	ataatgcttt	tgaacactct	gagaaagggg	5880
tgtttttttt	cattgggtta	atctgtatat	ctgaattctt	gaagcttttt	tctagcctac	5940
agtagggtcg	atctgccgag	ctgtgaata	acctgtcttg	actttagcaa	caagagacaa	6000
tccatgccat	gcttttatcc	tgagaaacct	ggaccttag	gctctgacta	acaaagacag	6060
ttcagctcca	gacactgaac	ttggaatcct	ttgtcttttg	attaaaagtc	ataaacttaa	6120
aaaa						6124

<210> 15
 <211> 4974
 <212> DNA
 <213> Mus musculus

<400> 15

atgtccgccg	cggaggaggt	tgatggcctg	ggtgtggtcc	ggccgcacta	tggtccgctc	60
ctggataatg	agaggctcac	tgacagaggag	atggatgagc	ggagacggca	gaacgtggct	120
tatgaatacc	tttgtcatct	ggaagaagca	aagaggtgga	tggaagcatg	cctaggtgag	180
gacctgccgc	ccaccacaga	gctagaggag	ggccttagaa	acggagtcta	ccttgccaag	240
ctagggaact	tcttctctcc	caaagtgggt	tccctgaaga	aaatctatga	togagaacag	300
accagataca	aggctaccgg	cctccacttc	agacacacgg	ataatgtgat	tcagtggctg	360
aatgccatgg	atgagattgg	gttgccctaag	atTTTTTacc	cagaaaccac	agatatctat	420
gaccggaaga	acatgccaa	atgcatctac	tgtatccacg	cctcagttt	gtacctgttc	480
aaactggggc	tggtccctca	gattcaagac	ctgtatggaa	aggttgattt	cacagaagaa	540
gaaatcaaca	acatgaagat	cgagctggag	aagtacggga	tccagatgcc	tgccctcagc	600
aagatcgggg	gcacccctggc	taatgagctc	tcagtggatg	aagctgcgct	acatgctgct	660
gttattgcta	ttaatgaagc	gattgatcgc	agagttgcag	ctgacacttt	tacggctcta	720
aaaaacccca	atgccatgct	cgtcaatctt	gaagaaggcc	tggtccccc	gtaccaagac	780
gtgctttacc	aggccaagca	ggacaagatg	acaaacgcta	aaaacaggac	ggaaaactct	840
gacagagaaa	gggacgttta	tgaggagctg	ctcacacaag	ctgaaatcca	agggaatgta	900
aacaaagtca	acacatcttc	tgccctggcc	aacatcagcc	tggtctttaga	gcagggctgt	960
gcagtgaccc	tgctcaaggc	tctgcagtca	ctggctctgg	gcctccgagg	gctgcagacc	1020
cagaacagcg	actggtacat	gaagcagcta	cagagtgate	tgacgcaaaa	gagacagagt	1080
ggccagactg	acccccctgca	gaaggaggag	gtacaggccg	gagtggatgc	tgccaacagt	1140
gctgcccagc	agtaccaacg	acggttgcca	gcagtggcag	caatcaacgc	tgccatccag	1200
aagggcacgc	ctgagaagac	cgtgttgagg	ctaataaata	ctgaagccca	gctgccccag	1260
gtgtatccat	ttgcagctga	tctctatcag	aaggagttgg	ccaccctgca	gcagcagagc	1320
cctgagcata	gcctcaccca	tcctgagctc	actgttgctg	tgagatgct	gtcatccgtg	1380
gccctcatca	acagggcgct	ggagtcagga	gacatgacca	ctgtgtggaa	gcagctgagc	1440
agctcagtta	cgggccttac	caacatcgag	gaagaaaact	gtcaaaggta	tctcgatgag	1500
ctgatgaagc	tgaaggctca	ggcacatgcc	gagaataatg	catttattac	atggaatgac	1560
atccaggcgt	gtgtggacca	tgtgaacctg	gtggtccatg	aggagcatga	gcggattttg	1620
gccatcggct	tgattaatga	agccctggat	gaaggggacg	ctcagaagac	tctgcaggcc	1680
ctgcagatcc	ctgcagccaa	gctcgagggc	gtccttgtag	aagtggcaca	gcactatcaa	1740
gacacgctga	tcagagcaaa	gagagaaaag	gccagggaaa	cacaggatga	gtcagctgtg	1800
ttatggttgg	atgaaattca	aggtggaata	tggcagtcca	acaaagacac	ccaagaggcc	1860
cagaggtttg	ccttaggaat	ctctgccata	aatgaagcag	tagacagcgg	tgatgttggc	1920
agaacctga	gtgccctacg	ttctcccgat	gttggtttat	atggagtgat	ccccgaatgt	1980
ggggaaacgt	accagagtga	ccttgctgaa	gccaagaaga	agagactggc	agcaggagat	2040
aataacagca	agtgggtgaa	gcactgggtg	aaaggcgggt	accattacta	ccacaacctg	2100
gagacgcaag	caggaggatg	ggctgagccc	ccagactttg	tgacagaata	tgtgcagctc	2160
tctcgagagg	agatccagag	ctccatctct	ggagttaaccg	ctgcatataa	ccgagagcag	2220
ccttggtctg	ccaacgaagg	cttgatcacc	aagctgcaag	cctggtgccc	tggttacctc	2280
gttcgacagg	aattccgata	ccggatgaat	tttctgaaga	aacagatccc	tgccatcacc	2340
tgcatccagt	cacagtggag	aggatacaaa	cagaagaagg	catatcaaga	tgggtggct	2400
tacctgcaat	cccataaaga	cgaagtgtgt	aagattcagt	cccttgccag	gatgcaccaa	2460
gttcgaaaag	gotatagaga	tcgcctacag	tatttcagag	accatataaa	tgacattatc	2520
aaaatccagg	ctttcattcg	ggccaacaaa	gctcgtgatg	actacaagac	tctcatcaat	2580
gctgaggacc	cgcctatgat	tgtggtccga	aagtttgtcc	acctcctgga	ccaaagtgat	2640
caggacttcc	aggaggaact	tgatctcatg	aagatgcgcg	aggaggtcat	cacctcctac	2700

cgttccaacc	agcagctgga	gaacgacctc	aacctcatgg	atatcaaaat	cggactgctg	2760
gtgaagaaca	agatcacgct	gcaggatgtg	gtttcccata	gtaaaaaact	tacaaaaaaa	2820
aataaggaac	agctgtccga	catgatgatg	ataaacaagc	agaagggcgg	gctcaaggct	2880
ttgagcaaa	agaagagga	gaagctggag	gcctatcagc	atctctttta	tctcctgcag	2940
accaacccta	cctatctggc	caagctgata	tttcagatgc	cacaaaacaa	gtccacccaa	3000
ttcatggact	ctgtgatctt	cacgctgtac	aactatgcat	ctaaccagcg	ggaggagtac	3060
ctgctgctgc	ggctcttcca	gacagctctg	caggaggaga	tcaagtcaaa	ggtggatcag	3120
attcaagaaa	tctgtgacag	aaaccctacg	gttattaaga	tggttgtaag	tttcaaccgt	3180
ggtgcccggg	gccagaatgc	cctccggcag	atcttggccc	ctgtcgtgaa	ggaaattatg	3240
gatgacaagt	ctctcaacat	caaaaccgac	cctgtggata	tttacaagtc	ttgggttaat	3300
cagatggagt	cgcagacagg	agaggcgagc	aaactgccct	atgatgtgac	ccctgaacaa	3360
gccttgtctc	atgaagaagt	gaagacgagg	ttagacaact	ccatcaggaa	catgagggct	3420
gtgacagaca	agttcctctc	agccatcgtc	agctctgtgg	acaaaatccc	ttatgggatg	3480
cgattcattg	ccaaagtccct	gaaggattca	cttcacgaga	agttccctga	cgctgggtgag	3540
gacgagctgc	tgaagattat	cggtaacctg	ctttactacc	gatacatgaa	cccagccatc	3600
gtcgtctccg	atgccttcga	catcattgac	ctgtcagcag	ggggccagct	caccacagac	3660
cagcgcagaa	acctgggctc	cattgccaa	atgtcccagc	acgcggcgct	caacaagatg	3720
tttctggggc	ataatgcccc	cttaagcatc	attaatgagt	atctctcgca	gtcctaccag	3780
aaattcagac	ggtttttcca	attggcttgt	gacgtcccag	agctgcagga	taaatttaac	3840
gtggatgagt	actctgacct	agtcaccctc	actaagccag	ttatctacat	ctccattggc	3900
gaaatcatca	acacccacac	tctcctgttg	gaccatcagg	atgccattgc	tccagagcat	3960
aacgacccca	tccacgaact	tctggacgac	cttggggagg	tgcccaccat	tgagtcctct	4020
ataggagaaa	gctgtggcaa	ttcaaacgac	ccaacaagg	aggctctggc	taagacggaa	4080
gtgtctctca	cgttgaccaa	caagtttgac	gtgcctgggt	acgagaacgc	agagatggac	4140
gctcggacca	tcttactgaa	tacaaaacgt	ttaattgtgg	atgtcatccg	gttccagcca	4200
ggagagacct	tgactgaaat	tctagaaacc	ccagccacca	atgaacagga	agctgaacat	4260
cagagggcca	tgagagacg	ggctatccgc	gatgccaaaa	cccctgacaa	gatgaaaaaa	4320
tcaaagccca	tgaaggagga	taacaacctc	agcctccagg	agaagaaaga	gaagatccag	4380
actggcctaa	agaagctaac	ggagcttggg	acggtggacc	caaagaacag	ataccaggaa	4440
ctcatcaacg	acattgccaa	ggatatccgg	aatcagcgga	gatacaggca	gaggaggaaa	4500
gctgaattgg	taaaactgca	gcagacgtac	tccggcgctga	actctaaggc	cactttttac	4560
ggcgagcagg	tggactacta	caagagctac	atcaaaacct	gcttggataa	cttggccagc	4620
aagggcaagg	tctccaaaaa	gcctagggaa	atgaaaggca	agaaaagcaa	aaagatttct	4680
ctgaagtaca	cagcagcgag	gctgcatgag	aagggcgtcc	ttctggagat	tgaagacctt	4740
caggcaaacc	aatttaaaaa	tgttatcttc	gaaattgggt	caacagaaga	agttggagac	4800
tttgaagtta	aagccaagtt	catgggagtt	cagatggaga	ctttcatgtt	gcattatcag	4860
gacttgetgc	agctacagta	tgaaggagtt	gcagttatga	aattatttga	tagagctaaa	4920
gtgaatgtca	acctcctgat	cttccttctc	aacaaaaagt	tctatgggaa	gtaa	4974

<210> 16

<211> 28670

<212> DNA

<213> Homo sapiens

<400> 16

ccaagggaag	gatgcggaat	gtctgttttc	tactaagggc	ttctgttggg	cttttccaat	60
gtccagtttg	agttgggtctg	ggacgtggcc	tccgcaaaac	ccctgcaggc	tccggccggc	120
ggggatgagg	tgaagaactg	ggcagaagag	aggccgcacaa	ggcccgaggg	ctgagctgct	180
ctgcgtctgg	gagggggcgaa	gtgcacagagc	gcgggagacc	tcattggtggg	caccaggtctg	240
ctccgcggta	ggtgggtgag	gccaggagat	tcacatctgc	agatgccaca	gtgaggatac	300
agcattttaga	tccctcggct	ccaaacaggc	ggttccgggg	gaccggtagc	tggggaattg	360
ggttttagcac	tttccaacgc	ttggaactgg	acatccacgg	ctccgagtcc	tttgaggtct	420

tgctcgggac	tacgttttccc	agaaggctag	gcgataattg	acagctctat	cagcctatgg	480
acagagaaaa	attctagcca	tggaactga	aaagccaata	gcaagaggat	gggggcggta	540
ctttccggcc	gctggctgtc	gaagccggag	tcccacctgt	gtccccacag	ccctgtcacg	600
aatccccggtc	gggttctggg	aggcacagcc	tcgggggttg	gggccgggtg	cggctcggcg	660
gtggaggact	cacttcttgc	tccatccccg	gctgggacct	ggggcggtga	gtgattcaag	720
gagggagacc	gcggcggcag	cggcgcgctg	ctgaggggcg	tggagggggc	ttgcccgcca	780
cccagacgtt	ttctcagcgg	ggttccccgg	ctggaccttg	ggagcccccg	ggtcttgctg	840
ggctgtggga	gaggtagctg	tggctctctat	accgtcggcg	ggataagtca	ttctcttaat	900
cagttttctt	gcttctcgat	ggtggtccca	gggtttcagc	tgatctgtga	ccctctgacc	960
gccgcacccc	ggtagggcg	cgagcaccga	gaagaagaac	ggggttcggc	cccacgcgtg	1020
cagtcatggt	cctattaata	aaccgggtga	acgcactgga	gcttctcaca	gtggcactta	1080
gtcacagccc	ctcagcgtg	tggggccttt	gaggtcacct	gtgcatgggg	aaagggacgg	1140
gctgggaaac	agggtttcta	taaccgtggc	taagacgtct	cccctcctca	gtggcgctgt	1200
ctccagcaag	tgggccttgc	agctgtgttt	tgtaatgaat	gtagaaataa	aaattatact	1260
caaaactctt	tttttttttt	agacggaatt	tcgctcttgt	tgcccaggct	ggaatgcaat	1320
ggcgctatct	cctttcactg	cagtctccac	ctcccgggtt	caggcgattc	tctgacctca	1380
gcctcccaag	tagttgggat	tacaggcgtg	tgccaccaca	cccggctaata	tttgtattct	1440
tagtagagac	agggtttcac	catgttggcc	aggctgatct	cgaactcctg	accccagggtg	1500
atccgcccgt	ctcgtcttcc	caaagtgtct	ggattacagt	catgagccac	agcacctggc	1560
caatactgaa	aactcttatt	acaattttta	ctttctaatt	acattattgt	tgtttgttaa	1620
agttttaaac	cagagagatg	gttttttagat	ccttaaaaaa	tcaatacttt	ataaatgacc	1680
aataataatg	tctgtaaata	caaaaatatt	tcccccaaaa	gtgtgtgtgt	gtgtgtgtgt	1740
gtgtgtgtgt	gtgtgtgtgt	gttccagtag	taaatagggt	attttagagt	ggacaaaaga	1800
tgtgaaagag	taaaactttc	tcaccacagt	ctggctcttc	ctcccttgaa	atgcaatatt	1860
ctttgtagtg	ggtggtcatg	ctggctgcat	tttttttttt	tttaaggagg	agacagggggc	1920
tcactctggt	gctaggctgg	ggtgcagtg	cgccatcata	gctcactgca	gcctggaact	1980
cctgggctga	agtgatcctc	ccacttcagc	ctcctgagta	gctgggacca	caagtgcctg	2040
ccaccatgcc	tggctgattt	ttaaaagtcc	ttttagagag	aagaggctct	aatatgtttg	2100
tgaggctggt	ttattggaaa	ctttttaagg	gaaaaaacat	tatcttaatt	tctatgtgac	2160
tcctatgcct	ggcaacatat	taattgttga	ataaatgact	gatccatcca	gtaattcact	2220
cttgactatc	ctccaaaaag	taatgttttt	catgatattg	ctgtcgattt	attaatatat	2280
taatgattgg	tttcagcccc	taagagttgt	gttttgtgct	tattccact	ttcacttatt	2340
tttacaacct	atccatgtct	tctttttttt	aaaaaaaaaa	tgtctttttc	agtcttattt	2400
ctgactccat	taagatcttg	aaatagaatg	gtatccaaca	cagttccctt	tggggttctg	2460
tataatctgt	cccttgagggt	tgacacccaa	tctgcaagcc	aagaagttag	ctgctcccat	2520
aactaatatg	agtatagtta	aggccacaat	ttccttgctt	gctgaggaaa	atgaagttgg	2580
ggagaatcaa	aagcttttcca	gaaatcaaat	tacacctgoc	aactctctcc	tttgtttacc	2640
ttgttcacgt	tggacaattt	gttctctcaa	aagtcaatgt	gtctaaaaga	ctgggttctg	2700
tcgatgtggt	tgggagggct	aggcctctct	tagtaatggg	aaagttggcc	aggagaagac	2760
gtatgtaaaa	acagacttag	aaaagcacc	ctctgtgggt	gacagaattt	acctcaggac	2820
cattctgggt	aggtgtgggg	ggttgtttgt	gtacactggt	ggccattttt	tggctttcag	2880
acaatggtga	gaatatctag	ggagctactg	atgcacattg	aggtctcttg	cttttaggaac	2940
tgatgacgct	tgataatgtg	gctggggact	tcagggaaga	gtgggttacc	tggacactgc	3000
ttagagaatc	ctctccaggga	atgccaccac	gcacagttag	aagaatgggc	tctcaaaggg	3060
taagaatgct	actctccttt	atttcattta	tttatcttgt	tttttttgag	acggggctct	3120
gctctgtcat	ccaggctgga	gtgcagtggc	gcgatctoga	ttcactgcaa	tctgtgcctc	3180
ctgggctcaa	gcgattctcc	cacctcaacc	tcttgagttag	ctgggatcac	aggcatgtgc	3240
caccatgcct	agctaatttt	ttgtgttttt	agtagagaca	ggattttgct	atgttggcaa	3300
ggctggtctc	actatgctgt	ccaggctggt	ctcaaactcc	tgagctcaag	caatccactg	3360
gcctccgcct	tccaaagtgc	taggattatg	ggcgccacca	tgcttgacca	ctgctctcct	3420
ttaatttgag	acttagatat	ttggagaggg	cccaggctct	aggagtttct	ggtatgttgg	3480
catcttagag	ctccagacct	ctgtaagatt	aattgttgcc	tccttgggag	aaaaacaatt	3540

acttccttat	gcatttttatg	gtttgcaa	gtctttgcta	tttattgtcc	ttttaatatc	3500
tcatacataac	tttttgactt	atgtattact	atcccccttt	tccagcctgg	gttggactct	3560
cacctctgcc	acttaacttc	tgagacttct	gaggtctttg	tggaaaagga	ggtaattttt	3720
tctgtcactt	aaaaacaggc	tgggggcagt	ggctcacgcc	tgtaatccca	gcacttttgt	3780
aggctgaggt	gggcggatca	taaggctcagg	agttcgagac	cagcctggcc	aacatgatga	3840
aaccctgtct	ctactaaaaa	taaaaaaatt	agctgggtgt	gatagcgggc	gcctgtaatc	3900
ccagctactc	tggaggttga	ggcaggagaa	ttgcttgaac	ctgggaggtg	gaggttgcag	3960
tgagctgaga	ccacgccatt	gcactccagc	ctgggcaata	gagcaagact	ctgtctcaaa	4020
aaaaaaaaaa	aaaaaaaaaa	caaggctggg	cgcggtggct	catgcctgta	atcccagcac	4080
tttgggaggc	caaggcaggg	agatcacaa	gtcaggagat	cgagaccatc	ctggctaaca	4140
tggtgaaacc	ccgtcttact	aaaaatacaa	aaaattagcc	aggcatgggtg	gtgggcacct	4200
gtagtccag	ctactcggga	ggctgaggca	ggagaacagc	gtgaactggg	aggcggagct	4260
tgagtgagc	caagatcatg	ccactgcact	ccatcctggg	cgacagagca	agactccatc	4320
tcaaaaaaaaa	aaaaataaat	aaaaaaaaacc	aaaaacacct	ccaatgctct	ttctcaaata	4380
tcatggctac	ccttctctct	gcttttatatt	tttagtagag	atgggttatc	tccatgttgt	4440
caggctggtc	tcaaactact	gacctcaagt	gatccgctca	cttcggcctc	ccaagtgtctg	4500
ggattatagg	agtgggcccc	gctctaatatt	ttgtattttt	agtggagtgc	aggtttcacc	4560
atgttggcca	ggctgggtctt	gaactcctga	cctcaagtga	tccgctggcc	ttggcctccc	4620
aaagtgtctga	gattagaggt	gtgagccact	gcgcctggcc	tacttcatct	attatacaag	4680
taatgtatac	tcattcaata	aaaagtcaag	caaaatgaaa	acaaacatca	tccctaatacc	4740
caccaatgaa	gagttactat	cctaccagca	tttttctaa	catatataca	atttttaaa	4800
aagcacaaaa	gaataatatt	gggattatgc	tgtatatcca	gctgtacatt	ctttcttcca	4860
tgttgtattg	tgagtatatc	tttctttaca	tcacttaaaa	taaccaccta	gtatttttgt	4920
ttatggaata	caatattatt	ttgttgatga	agtcaaacat	tagattgaac	catatatctg	4980
accttttttt	aacctataaa	aatagcaatt	gcctgagcta	cttgggaggc	tgaggcagga	5040
ggatcccttc	agcacaggag	ttcgaggctg	cagttagcta	tataattatt	cctttgttgt	5100
gggacattta	ggtcattttct	aaactttcac	cagggttgta	taaacatctt	ttagctcgtt	5160
ttttaaaaag	tatttttttat	tgaagtataa	ttttatcatt	ttcttagaat	tctcagaatt	5220
agaattggtg	ggtcaaagaa	cagatacatt	tctaagggtat	ttaatacttt	gcaaaatgcc	5280
ttccaagaag	attgaatcaa	ttgattttatt	cccacaaaca	ttatatgaaa	gtgcgcattt	5340
cttttatattc	tacctttcac	agtgggtatt	ataatttaaa	gagtctgggc	ctgggtgtgg	5400
cagctcatgt	ctataatccc	agcatttttg	gaggttgagg	caggaggacc	acttgagctc	5460
tggagttcca	gaccagcctg	ggcaacataa	tgagacccctg	tctctacaaa	aagttacatt	5520
aaccaggtgt	aggggcttgt	gcctctggtc	ccagctaactt	gggaggctga	ggtgagagaa	5580
tgccttgagc	caggagctcg	aggatgcagt	taactgtgat	tgtaccagtg	ctctccagcc	5640
tgggtgacag	agcaagagcc	tgtctcaaaa	acaaacaaa	acacacacaa	aacacaaaaa	5700
aagagtctgg	gaaaaatagc	aataatagtt	aacattttatt	gaagtttttt	ttggagatgg	5760
agtctcaatg	tgttgcccag	gctggaatgc	agtgggtgcaa	tctcagctca	ctgcaacgtc	5820
cgcctcccag	gctcaagcaa	ttcccattgc	tcagcctccc	aagtagctgg	gattacaggt	5880
gtgcaccacc	acacgtggct	aattttttgta	tttttagtag	agacaggatt	tctccatggt	5940
ggacaggctg	ctottaaaact	cctggcctca	caagtgatcc	aactgccttg	gtctcccaaa	6000
gtgctgggat	tacagggtgtg	agctaactgca	cctgggccaat	ggatctttatt	cttatcccaa	6060
tttttttttt	tttttttgag	atggagctctc	tctctgtctgt	ccaggctgga	gtgcagtgtg	6120
gtgaacctoga	ttcaccataa	cctctgcctc	ctgggttcba	gcgattctcc	tgcctcagcc	6180
tcccgagtaa	ctgggaactac	aggcctgtgc	caccatgcgc	ggctaattttt	tagtagagac	6240
ggggttttcac	tatgtttggcc	aggctgggtct	caaaactcctg	acctcgtaat	ccgcctgcct	6300
cggcctccca	aagttcttgg	attataggtg	tgagccactg	agcctggcct	cttatcccta	6360
ttttattgat	gaagacattg	agacacagag	tttaagtaac	ttctttaagg	ccacacagct	6420
tgtaagaggc	aggatgatga	ctcagaacca	ggcagtggtga	ctcttgagtt	tgcactcatt	6480
acctctacac	tatattgctt	cagtgtatca	ttgtttataat	ggaattttctt	tgattatagt	6540
gaggttaaac	atttttctgta	tattttacagg	ctacttaaca	actgtttgtc	tttttctcat	6600
ggctttttttg	actgctgcca	ttctgggaaa	attttaaaagc	ccaacattat	agttaaacttc	6660

cttcattggt	tctaagggtg	aggatcatgga	ggcttggttt	ctgataaaat	cctctccata	6720
tttagcttta	gccttgatcc	ttcagaaatg	gttattgtat	ttacttcaga	gtttctgtca	6780
cctgagctcg	gttttttttc	tttatgggag	gaaaagggtc	tttttttctt	aacatttttg	6840
ggaaatcacc	gtgtttttat	actgtaccat	ggctgcactt	ttttaatgac	accaaataca	6900
cgtagagct	ccccagggtg	tcttccatac	ctaggcaggg	agtagggctt	ggatttttgt	6960
caggccttgt	gtgattggct	cagactcaca	tcctatgttt	acattcctgt	gtagaatttc	7020
caggcctagt	gtaatctccc	agccggagca	gaaagaagag	ccatgggtcc	taccactcca	7080
aaactttgag	gcgaggaaga	tcccagagga	aagccacaca	ggtgagatgt	gagtgtctcc	7140
cagtggagg	aaatctagca	tttcagcctt	gttttagatga	agaatttgga	atgctgcctt	7200
agaattttgt	tcttactagc	agacattttt	tttttttttt	tttttttgag	acggagtctc	7260
gctctgtcgc	ccaggccgga	ctgcggactg	cagtggcgca	atctcggctc	actgcaagct	7320
ccgcttccc	ggttcacgcc	attctcctgc	ctcagcctcc	cgagtagctg	ggactacagg	7380
cgcccgccac	cgcgcgcggc	taattttttg	tatttttagt	agagacgggg	tttcaccttg	7440
ttagccagga	tgggtctcgt	ctcctgacct	catgatccac	ccgcctcggc	ctcccaaagt	7500
gctgggatta	caggcgtgag	ccaccgcgcc	cggccactag	cagacattta	aatttgactt	7560
aatggtcagt	agttgactaa	ataaagtctt	cattttgatt	aagcatttca	cttttgtcta	7620
acctatgttt	ttttttgaga	tggagtctcc	ctctgtctcc	cagcctggag	tcgagtgaca	7680
caatctctgc	tcaactgcaac	ctccgcctcc	cgggttcaag	tgattgtcct	gcctcagcct	7740
cccaagtagc	tgggactata	ggcaccgcgc	accacgcccc	gctaattttc	atatttttag	7800
tagggatgga	gtttcaccac	gttggccagg	ttggtctcga	actcccaacc	tcaagtgate	7860
tgcctgcctc	ggcctcccga	agtgtctggga	ttataggcgt	gagccaccac	gcctggccta	7920
aacctataat	atcttctaaa	gaaaccgcac	aatattgaca	atatgtgggc	tccgcttgaa	7980
ggatatcaag	attcatctgg	ccatcttaaa	atttaaaaag	tttaggaatt	cacgtgttct	8040
gacagctcaa	tgaacctcaa	taaacttttc	acaaagtga	aacagagcgg	ttgaattaag	8100
tgcagtctgc	tgcagaaaca	gggattttta	tctttgtcac	tgctttctga	tattccttcc	8160
tgataactga	taactttatt	ctctgttact	tacattaatt	tttcagactg	tgagcatcag	8220
gtggcaaagc	tcaatcagga	caattctgaa	acagcagaac	aatgtggaac	atcctcagaa	8280
aggaccaata	aagatctttc	tcatactctt	agttggggag	gaaactggga	gcaaggccta	8340
gaattagaag	ggcaacatgg	aacccttcca	ggagagggcc	agctggagtc	cttttcacag	8400
gagagggatt	taaacaagct	cctggatgga	tatgtaggag	agaagcctat	gtgtgcagaa	8460
tgcgggaaaa	gctttaacca	gagttcctat	ctcataagac	acctaagaac	ccacactggc	8520
gagaggccct	atacgtgcat	tgagtgtggg	aaaggcttca	aacagagctc	agacctgttc	8580
acccatcgca	gaacacacac	aggagagaag	ccctaccaat	gcaaggggtg	tgagaagaaa	8640
ttcagcgaca	gctcaacact	catcaaacat	cagagaaccc	acacagggga	gagaccttat	8700
gagtgcaccag	agtggtgaaa	gacttttggg	cggagccac	acctcataat	gcaccaaaga	8760
acccacacag	gcgagaagcc	ctacgcgtgc	ctggaatgtc	acaaaagctt	cagtcgaagc	8820
tcaaattttca	tcaactacca	gaggacccac	acaggggtga	agccttacag	gtgtaatgac	8880
tgtggggaga	gttttagcca	gagctcggat	ttgattaagc	accaacgaac	ccacacggga	8940
gaacggccct	tcaaattgcc	ggagtgcggg	aagggttcca	gagatagtcc	tcattttgtg	9000
gctcacatga	gcactcattc	aggagagagg	cctttcagtt	gtcctgactg	ccacaaaagc	9060
ttcagtcaga	gctcacattt	ggtcacgcac	caaagaacac	acacaggtga	gagacctttt	9120
aagtgcgaaa	actgtgggaa	aggattcgc	gacagctccg	ccctcattaa	gcaccaacga	9180
atccacaccg	gagaaagacc	ctacaaatgt	ggagagtgtg	ggaagagctt	caatcagagc	9240
tcccacttta	ttacccatca	gogaatccac	ttaggagaca	gjcctatccg	atgtcctgag	9300
tgtggcaaga	ccttcaatca	gogtcccat	ttctccacac	accagagaac	gcatacagga	9360
gaaaaacctt	tccactgtag	taaatgtaac	aagagcttcc	gtcagaaaag	gpatctttta	9420
tgcctcaaaa	acacccattt	gatttaggaa	gtagtctttg	gtgttcagct	gtccctttgc	9480
acattttcat	tgctactgtc	ttcaagcacc	ccaaatagag	aaaacctggg	cgtagtgggc	9540
tcaatttggg	ccctgatcta	ttctccctct	ttcttgtcta	tgttataaca	gagaggataa	9600
acttaaaggg	tccaaataac	ggtccgaata	caaaaggcat	tccttcagtg	tgtgactgac	9660
tcttagggaa	atgtgagttt	aatagttgat	gcccgcagg	cgtggtggct	caccttgta	9720
atcccagcac	ttttgggagg	ccaaggtggg	tggatcactt	gaggtcagga	gttgagacca	9780

gcctggtgag	catggtgaaa	cctcatctct	actaaaaatg	caaaaattag	ctgggcatgg	9840
tggcacgtgc	ctgtagtccc	agctactcgg	gaggccgagg	cagaagaatc	atttgaactc	9900
agaaggtgca	ggttgacgtg	agttgagatc	atgccactgc	actccagcct	gggcaacaga	9960
gagagactct	gtctccaaaa	aaattaaaaa	gttgatgcct	agttactaaa	tgagaagtga	10020
gaaaaatgtg	gcctagagat	cacatgttca	ccacctagta	cagtgcctgg	cacaacatag	10080
atgctcaata	actaaatggt	cccatcatta	ttaatgatta	atagttgagg	tottatataa	10140
aggctttaat	gcagtacctg	gcccttaaaa	gacactcagt	acaagattgg	tggcttttat	10200
cagtcttatt	actcaattag	aaattttatta	gtgtagtccc	cccgcccaa	actcagaacg	10260
tgaaagaaat	tagattggaa	ctagaagggt	tggggttgga	atacacaaat	tgaataaaat	10320
ggaaatgcac	tgccagttca	gtgctgtgca	ggcattagtc	accagaggtc	tcactgccat	10380
gacaaggcca	aattatcgta	gaggatgttt	gcggtcttgt	gacttggagg	ctgaaagaat	10440
ttcagaagct	cttttaaatg	gcagtgtatg	gcagtgtatc	taccagaggt	ttgctgtcat	10500
ctgacacaga	gaaaaatatc	tacaatgaac	aagccagagg	gacctggtag	aggactataa	10560
aattgtggaa	gcaaaattgc	tgagaatgtc	aaatgatatt	acagggatcc	tccttggcat	10620
ttagctgaag	gaagcaactc	ttgttttcta	atttgcctgg	tcattggcca	tttagtttta	10680
ggtaaatata	attctctgat	ccttttaggg	ccatccaggt	tatgcaactag	tacattccta	10740
cattcaattg	aaataaattg	agggacggca	agtgtgttgg	aaagaacacc	gacttcattg	10800
agaaggtaaa	gtatttgagt	cctggccctg	acgcttaatt	tggccagact	ttcatcttct	10860
ccagcctca	agttttacct	acctcacaag	gttgttgtga	ggatctaaaa	atacacacac	10920
acacacacac	acacacacac	acacacacac	tttgttggtt	aactataaat	gtaatatctc	10980
tatgtttataa	ttctgttgct	aatgtctttt	ttccaagaaa	attttggcta	atatttcttt	11040
aggtattcct	ttttctctca	tagtgaggga	ttaaaaaaaa	aaaaaactgt	tgaaaaatta	11100
gggcgtaaaa	atgctaaatg	acatgactca	tcattgggcca	cgtagttaac	agaagagcca	11160
gatttggctg	caagtcacta	gatttccagc	ctgcagtcct	cctctgcaac	aacagaccag	11220
ctctgggatt	tgttacagtg	cctgtgagac	attacaggac	tggaggacce	atattatata	11280
cattaaacca	gtctgaattt	ggaaatgatg	gagggtgtag	tctaagttgt	agggagcttt	11340
gcaagaacct	gtgctggggt	ccttgatcct	ggtggaatgg	gggtggagga	gtgagcgcaa	11400
atgcaagggg	ttaaggaggg	agctgggtag	ttatcacttt	ttagagtgca	aagtgggtga	11460
ttaaagggtt	cttttctttc	attctcttcc	attatatgga	atgccatctg	agtgcctgtg	11520
ctcatgaagg	atagaactca	gctgataacc	ttacctcagt	ttttgaaagc	atcattagat	11580
aattgaccag	aaaatttttt	ttagttaatc	cagtgcagtg	gttctcaaac	tgtgagccca	11640
gtccagtagc	atcagcatta	tctgggaact	ttttagaaat	gcagattcag	gocgggtgca	11700
gtggctcaca	cctgtaatcc	cagcactcta	ggaggccgag	gcgggtggac	cacctgaggt	11760
caggagtttg	agaccagcct	ggccaacatg	gcaaaaaccc	acctatacta	aaaatacaaa	11820
aattatocca	ggtgtggtgg	catgtgcctg	taatcccaac	aatttgggag	gotgagggag	11880
gagaatcaat	tgaacccagg	aaaggagggt	gcagtgaagt	gagatccaac	atgctggagt	11940
gcaatgycat	gatcttggct	cactgcaacc	tctgcctctc	aggtccaagg	gattctcctg	12000
cctcagctcc	cggagtagct	gggattacag	atgcattgca	ccatgcccag	ctaattttat	12060
atgttaagta	gagacggggt	tttcaccatg	ttgggcccag	cgggtcttga	cctcctgacc	12120
tcagggtgatc	cacctgcctt	ggcctcccaa	agtgcctggg	ttacaggcga	gagccacctc	12180
acctggccac	ctatcacttt	gattttcatg	ttgtctggct	atggtaaaat	gtgagctctc	12240
gaagggcaat	gtgagatttg	ctttgtggcc	ctgcacaacc	cctccctcct	cctgtctctc	12300
ctgcccaacc	cccccaactc	ccccgcacgc	catgagcagg	gaatatttca	atgctattgc	12360
tgagagtggg	ggtaaccctt	tctatagtgt	tcttttgttt	ctacctcatg	actagatgat	12420
tcactgcttg	aacatgctcc	acacatccgt	tctttctcac	tcacaaattg	aggtcatcac	12480
caagccccat	taattttacc	tcccagatcc	ctctggaacc	tatctgtcaa	actgtcccat	12540
cttcaactgoc	accttccagt	accaaagtac	cagtctctta	cctgaattcc	tgtagcagcc	12600
tcacaaactga	tcttctgtat	atgatttttg	ctctgaaaaa	actggtttca	cccacagaaa	12660
ccagagtjaa	cttttaaaat	cctaaatcga	atcacatcac	ttctcagcag	ctttccattg	12720
cttttagaat	gaagacccaa	atccttaacc	aggcctaaga	ggcccttggt	gttttgcctc	12780
ctccccctcc	atcctcttgt	gatatccctt	tccctctccc	ttgcctcacc	tcagcactct	12840
tgagttctct	gctccttggg	catgcacaag	ttgtgtgctc	tttagacctt	tggtaactaa	12900

tggtccctct	gcccagaatg	ttcctcgccc	agtcctttgt	gttgccctct	atgtgtcaac	12960
caggtttcag	cctaaaccta	tctccttagg	aagactttcc	ctaactatcc	catctaaatt	13020
agtcaccctc	catcacatta	tctctttttt	tcatcaaagt	ccttacacct	gtctggcaat	13080
ttcttattaa	ttgatttggt	tttggtaaac	tccacgaaag	gtgggagtca	tttctcttgt	13140
ttccattctt	tccacagcac	ttagaacagt	gcctggcaca	tggtaggtgc	tcaatatgtg	13200
tttactggat	gaattaatga	gtgcatgctc	atgggcaagg	atctcattgt	gctggaaaag	13260
cagcagagtg	agacaaaact	ggacagggtg	gtgaagggtc	caccaagaag	gttcttagct	13320
gccaaactaa	aggggtttgga	tcttactctc	tggagaaaag	gggtgtagct	gtgggtttat	13380
aggagaggag	aggcgcgatc	cgcacttgag	aagggtcaatt	tggccgctgt	gtgtaggtca	13440
tattacggag	aaaaaaacta	aaggctttga	gacaatccat	gatgtaaagg	gcttagcaca	13500
gtgccagca	cgcagtaggt	ctccagcgag	tcggtatcac	caagcaccag	ggcaggcacc	13560
acaacaaaaa	gataagatcc	ctaacccttc	ttttacctcg	aaataattcc	tcctagaccc	13620
tatcatcgca	ttccttctct	tccccttttg	tcaaacttcc	actcacatgt	agatattctc	13680
agggttatca	tgcctaggcc	tttttaatag	ggccacttac	cctagcatgc	ttctacaact	13740
ggacctcaa	aggtctttta	gggctgagtg	tgggtggtca	cacctgtaat	gccagcattt	13800
tgggaggccg	aagccagagg	actgcttgag	cccagagggt	caagaccagc	ctgggcacca	13860
tagccagacc	ctgtctctac	aaaaaatagt	ttcaacaaat	tagccaggca	tgggtgatgtg	13920
cgctgtcat	cccaagtact	tgggaggctg	aggtgggagg	attgaggatt	gcctgagccc	13980
aggagttaa	ggctgcagtg	agctgtgac	ataccaccgt	actccagatt	gogtgacaga	14040
gctagaactt	gtctcttaaa	aaaaaaaaaa	gacttaattt	ccacatctga	aggcctcttg	14100
ttagtcttct	tctgattcaa	caactcttta	ctgtttgatg	ccatttacat	atgtttatta	14160
tttttttagag	atgggggtctc	attctttttg	tgaggctgga	gagcagtggg	gogatcatgg	14220
ctcactgcag	cctcaacctc	ccagactcaa	gcaatcctcc	tgtctcagcc	tcctgagtaa	14280
cagctaggac	tacaggcaca	tgccacccaa	cccggccttt	taaaattttt	ggtagaggcc	14340
agatgtgggtg	gctcatgctt	gtaatcccag	cactttggga	gggccaggcg	agtggatcac	14400
ctgaggtcag	gagtttgaga	ccagcatggc	taatattggtg	aaaccccgctc	tctagtaaaa	14460
gtacaaaaat	tagccaggcg	tggctcgtggg	cgcctgtgat	cccagctact	cgggaggctg	14520
aggcagcgag	aatcacttga	acctgggagg	cggagcgttg	cagttagctg	agatcgtgtc	14580
attgcactcc	agcccagctg	acaagagcga	aactccatcg	cgggggatga	taataataat	14640
aataataata	actttgctag	agacagggtt	cccctatgtt	gcccaggctg	gtcttgaact	14700
cctgacctca	agcaactctc	ccaccttggc	ctcccaaagc	gctgggatta	cagggtgtgag	14760
ctactgcacc	aggcccatat	gcctttttta	aaaaattatc	ttttccattg	gtgactatga	14820
ggttgagaga	tgattctcct	acatttcttg	ctgctctctc	tcaagtacct	tccttggtctc	14880
ctctggattt	ttttgttttg	ttttgttttg	ttttgttttg	tttttgagac	aaagtcttgc	14940
ttgttgccc	aggctggagt	gcagtggcag	gatcttgggt	caccagctca	ctgcaacctc	15000
cacctcccag	gttcaaggga	ttctgggtgc	tcagcctcca	gagttagctg	gactacaggc	15060
ccagctaatt	tttgtacttt	tggtagagat	gggggtttca	ccaggctggg	cttgaactcc	15120
tgcctcagggt	gatctgcccc	cctcggcctc	ccaaagtgtc	gggattctag	gcatgagcca	15180
ccgcgcctgg	cctggctcct	cttcttcttc	cactcagata	tgcctgaccc	tgtcaaacct	15240
ttggttgagg	tcttctttct	tcttcttttt	ttgctccgca	catttagctt	atgacttcaa	15300
ccatcatttc	tcagagcatg	ggctctggctc	aaactctctc	ctgaatttca	gaactacaag	15360
tctagctact	tgggtggagac	ctccccagaa	tgacctgctg	cttcccaaaa	gcagactctc	15420
caaattacag	tcagtatctc	cccgggaagc	attccccag	gcatttctct	ttctgccttc	15480
aattccccat	tctctatcat	tgccttgcca	gaagcctgct	ggttagcttg	gatttctttt	15540
tgtccttttt	ttctctatatt	ttgctgggtg	ctagtcatgt	agttgctgcc	tctacacttt	15600
ctcttcttta	aaaaaaatta	ttaaagcacc	acgtgtctgt	tgtaaaacatt	tcagaaaaat	15660
acagaagtgc	tcaaagtga	aaaatggaaa	tgccttgctc	cttctctcatt	ccctgacctc	15720
acctcacgcc	ccagattccag	ctatgtaata	gtctgtcatg	ccaagtctta	tttccagctc	15780
ctctttttca	tccccactgc	catcatctga	actaaaaggga	ttgtttttca	tctgggtctcc	15840
ttggcttttt	ctttcagtg	agctcaacag	acattaatca	agtgccttcc	acacacccaa	15900
gtcctacctt	agatcctaga	ggttcagaga	caagtaagat	agttaaagag	atccacattc	15960
cagagctggt	taacttttgg	caagttaact	aatctctctg	accttaactt	ccttatctgt	16020

aaaatgatgc	taatcccagc	accttttttca	tgggttttggga	cgagcattaa	tgagatgata	16080
catgtaaaac	tctttgtact	aactacctgg	tacactgtat	ctgctccata	aatgtcagtg	16140
acaacaatga	taataatgac	aatgttttggga	ggagttttata	gcttaatgga	gagacttaaa	16200
gcataagaat	tatctaggcg	aagaatgatg	agaaaatatt	tttggaagag	gaaaacaaac	16260
agttctacta	aaattaaaag	gctgatgtag	agacttggga	aactgggagg	taagagctcg	16320
gactgtgtcc	tctaagacag	taattcccga	agtggtgagca	aaagtccacc	tgcatcagtc	16380
ttacttgggg	tgattgtctca	aaatgaggat	ttaatggctg	cacctccgag	caagttggta	16440
atttacatat	cggaatgcta	tccatcaagg	aaaatgggca	gactacagtt	acatgcatca	16500
acacagacaa	gcttcaaaca	atattgagtg	taaaaagcaa	gacatagaaa	tatatattta	16560
gtaagagtaa	aaatacagta	aaggtaaaaa	agaggcaaaa	ctaaacaata	tattgcttaa	16620
gcaataagga	tacacaaact	aatgaaaatc	aaaggattta	ctaatacaaa	cttcagtata	16680
gtaattaatt	ggaatgggag	agaaagatgc	aaagtttcta	tttctttttt	tgttttgttt	16740
tgagacagtg	tctcattctg	ttgccaaaggc	aggagtgcag	tggcaggatc	tcagatcact	16800
gcaagctcag	cctcctgggt	tcaagtgggt	cttctgcctc	agcctcccaa	gtagctggga	16860
ttacaagcat	gcaccaccac	accagctaa	tttttgtaat	tttagtagag	atggagtttc	16920
accatgttgg	ccaggctggt	ctcgaactcc	tggtcttaag	taatccgccc	acctctgcca	16980
tcaaagtttc	tgtttcttaa	gttggctgcc	gagtacacag	gttttctttg	taaaataatt	17040
atttaaattg	ttaatatgca	ttacttatat	gcttttcatt	tacaatgtat	ttcacaagaa	17100
aaataaaaaca	aagcaaataa	gaaaacagaa	cacttctcca	gagattgate	tttttcaactc	17160
aaatctcatt	gagttatact	gaggggggaaa	aagagtaatc	tgagtgcctg	ggccctgaac	17220
agacacacta	gatcagttcc	ttcattccca	ctcaaacaca	tgacacacaca	cgcacaaaaca	17280
cacattttct	tatatttctt	tcagcaaaac	ccccgccccca	ccaaccaacc	ccaaaaacacc	17340
ctctgctcct	ttatgtatat	aaattagagc	agataaatgt	ccagaagatt	ataggccatc	17400
tttctataaa	cagccaatct	tggacctggt	gtctgaatgg	gggatgccct	gctgcattaa	17460
agatgctcat	gtgaacattt	tgttgtttcc	cagaaaaaaa	gtttccacat	tttagattat	17520
tttcacaggg	tgagaacaat	tttacacctc	ccttacttgc	tgagaatct	tttttttttt	17580
tttttttttt	tttttgagac	aggtcttget	ctatcactca	agctggagtg	cagtggcacg	17640
atctcggctc	actgcaacct	ccgcctccca	ggttcaagca	attcttctgc	ctcagcctct	17700
cgagtagctg	ggattacagg	tgcgcaccac	catgccacgc	taattttttg	tatttttagt	17760
agagatgggg	tttcaccatg	atggccaagc	tggtttcaaa	ctcctgacca	caagtgatec	17820
gcccaacttg	gcttcccaaa	gggctaggat	tacaggtgtg	agccaccacg	cctggctgct	17880
gtggaatcat	ttttaaaagt	attgtatcaa	tttacagtgt	tccgaacagt	aaatggctac	17940
tagtctcatc	acaccctcat	ctttaaaaaa	gttttgctaa	tttaatagac	atgattctta	18000
catattgtct	taatttgcac	ttctttgctt	accagtggag	ttgaacattt	ttctctatgt	18060
tagaatcttt	cttgtatttc	ttctgttgtt	ttcattagag	taactcagag	caggattggg	18120
aatctgaaaa	catgaacatt	tgatttttgag	gaagtcattg	ttttctgttt	gtcttctctc	18180
cccctctctg	ctttattatt	ttttacttca	ggttcattta	tagaaatata	agaaaaataca	18240
attaagcaaa	cagagtaaat	tccacttccc	agagataacc	actaccgttt	gttgtatata	18300
cttttaagct	ttttctctgc	caaaaaatatt	cacaaatata	tcgcttatte	tttctgagcc	18360
tgtttctcca	tctatcaaat	ggaataacttg	ttcttcaagt	tgataattaa	ctgggtgggag	18420
cacatgaaaag	tattttataa	agtgcacaaa	tgcaagttgc	tgctcttatg	acaaagaaaa	18480
aatgtatttt	attctgccc	gcagaatgat	gacactttgt	ttcctgaaca	cagcctgctc	18540
tctccagtag	aatttcttct	ctctagaata	gcttcttget	tcaattctct	ctgctgaaat	18600
actatctact	ctttttttta	aaaaatcaat	attaaaaat	acaaaaatta	gtgtaaagag	18660
caaccacgta	ccactatac	agcttaggaa	aagagtctgg	catttctcac	tccatgctct	18720
ttatatatac	ttgctttatt	tctgtctct	ctatatatac	atacatatat	atttagtaag	18780
agcaaaaaata	cagtaaagat	cagggaaggt	gogggtggctc	acgcctgtaa	tcccagcaat	18840
ttgggaggcc	gaggcgggca	gatcacgagg	tcaggagttt	gagatcagct	tgaccaacat	18900
ggtgaaacca	tgtctctact	aaaaatacaa	aaattagcca	ggcgtgggtg	ctcatgctgt	18960
tagtcccagc	tattcaggag	gctgaagcag	aaaaatcccc	tgaacctggg	aggtggaggt	19020
tgccgtgagc	caagattgtg	ccactcactc	cagcctgggc	gacagagtga	gactccatct	19080
cggggaaaaa	aaaaaataca	gtaaaggtaa	aaaacaggca	aaactaaata	tattgcttaa	19140

gcaataatga	tactcataca	aactaatgaa	aatcaaagga	tttactaata	caaatttata	19200
gtagttaatt	ggaagcatat	gtattatata	aatatacatg	tattatacat	atatgtatat	19260
atgtatatat	atagaaaaaa	gcaaataatat	gtatatatac	atatatatct	atatatgtaa	19320
aatttttatt	tataaaatgt	ttttgagcat	gaaatgatat	atcattgtgg	tgtaatatg	19330
catcttagct	gggcatagta	ggtcacacct	gtaatcccaa	cattttggga	ggctgaggca	19440
ggaggatttc	ttgagctcag	gagttcaaga	ccagcctgga	cagcatagtg	agaccccatc	19500
tctaaaaaaa	aaaataaaaa	ttatctggcg	tgggtggctga	tgtctgtagt	tccagctact	19560
caggaggctg	aggtgggagg	atcacctgag	cactggagggt	caaggctgca	gtgagctatg	19620
atcatgccac	tgcactccag	cctggatgac	agagccagat	cctgtttcaa	ataaataaat	19680
taaattaagt	taaaaagtat	ctccctgatt	agtggggaag	ttaccaact	tttttttttt	19740
tttttttagac	agagtctcag	tctgtctccc	aggctggcat	gcagtggcac	gatcttgtct	19800
caccgcaacc	tccacctcct	gggttcaagc	aattctcctg	cctcagtctc	ccgagtagct	19860
aggattacag	gcatgtgcc	ccataccgg	ctaatttttt	gtatttagtc	gagatgggg	19920
ttcgccatgt	tgggcagact	ggtctcgaac	tcccgacctc	aggtgatcct	cccacctggg	19980
cctcccaaag	tactgggatt	acaggcgtgt	gccaccgtgc	ccagcagtta	cacaactttt	20040
acaagtttat	tggtgttcac	gttgccctct	cagggaattt	tgtttataaa	gtacctatct	20100
ttcaaggccc	cattaaaaca	cctccctctc	cataaagtat	ttccagatct	cctctatcaa	20160
gcagatagga	tttcccttgg	acttctataa	tcctttcttt	ctacatcttg	ggtttactct	20220
acttcttatt	tcactcttga	ttacagtcac	ttgtgtactt	gtctaaaggg	cagtgactat	20280
gtttaactca	actttatgcc	cttgttcata	ctagtacaaa	agtaaacatt	tcataaatct	20340
ttgttgaatc	aaatcctact	cctcccctgc	ttataaaaac	ttaaatcatt	tcctattgtc	20400
tacagacgaa	agtagaatct	cgtttaatgt	agaatttaag	acccttccac	gggctctage	20460
atcaaccttc	ctttcttgc	cttctcctgg	gaggaccttg	ctttccgccc	cagataactag	20520
attcttcatc	cacagtaagg	tcccagtcac	ctaattgttg	gcttttctct	ctgtagctgg	20580
gatggcagg	tgggtcccacc	catttttagtt	gcctataaaa	ttcttttttt	tttttttttg	20640
agatggagtc	ttgctctgtt	gcccaggctg	gtatgcagtg	gcctgatctt	ggctcactgc	20700
aacctccgcc	tcctgtattc	aggcaattct	cctgcctcag	cctcccaggt	agctgggatt	20760
ataggcaact	gccaccatgc	ccggctaatt	tttgtatttt	tagaagagac	ggggtttcaa	20820
catgtttggc	aggctgggtc	cgaactcctg	acctcagatg	atccgcccct	ctcggcctcc	20880
caaagtgtct	ggattacagg	cgtgagccac	cgcgcgccgt	ctgagccacc	gcgcgccgtc	20940
tgagccacca	caccgggtct	aatttttgta	tttttagtag	aggtgggggt	tcaccatttt	21000
ggccaggctg	gttttgaact	cctgacctcg	tgatctgccc	gcctcggcct	cccaaagtgc	21060
tgggattaca	ggcttgagcc	actgcgtcca	gccc aaactc	tttaagagaa	aattctcttg	21120
gatcttgaag	ccagaagctt	gcttttatta	ctgagtttgc	cctgaatctg	tcacttatgt	21180
actaaaaata	cataaatttc	cttatccagg	tgacttgggc	tcaactgaag	gaaacctgaa	21240
gcctctaaat	gttagcacct	aagcctgagt	ctaggtgcca	gcctagcctg	tcttccctct	21300
ccagagtcag	aggcatgtta	caaacagaat	atatggacac	acgtcgaacc	ccacattgta	21360
tctctctaat	ttattcaatt	taattcagta	aacactcatt	acctcttata	tccaggccta	21420
gttgagggtg	ctggggatac	aggtataaac	atgacagttc	tcttgaggag	cacagagtgg	21480
ttgtgggaaa	cagacataca	gacacacagt	ttctttcttt	ctttttctct	tttttttttt	21540
tttttgagac	agagtctcac	tctgtccttc	aggccgggaat	gcagtgaggt	gatctcagct	21600
caccacaacc	tccacctcct	gggttcaagc	gattctcctg	cctctgactc	cccagtagct	21660
gggattacag	taatgogcca	ccacacccac	ctaatttttg	tatttttagt	agagacaggg	21720
ttttgcatg	ttggccaggc	tgggtctcaa	ctcctgaaat	caggtgatcc	gcctgcccctg	21780
gcctcccaaa	gtgctgggat	tacaggtgtg	agccacccatg	ccgggcccag	acacatagtt	21840
tcaatacaag	aagtatatgt	cagccagaga	agggctatct	tgagagtcaa	ggaaggctcc	21900
ctggaggagg	tatcacttat	gccagttggg	acatgaatga	gtaaatgcaa	acaagccatg	21960
atactgaaat	aaagctttgt	ttaattaaac	ttcacatgta	aattcagcca	cagaagacat	22020
tctgatacat	gggggcattg	ccagtgatcc	cacgaaactg	gataatgtca	ttgatgcttg	22080
tggttgagag	agcttgcttc	tgtattgtaa	ggaaggtggg	acaaacctggc	ctttctttta	22140
aaaaaaaaaa	aaaattcaaa	ctggacatgt	gtcaatgaac	tgaatggagt	cttagggagg	22200
aacattgctc	catagctata	tgtctctccc	gttttttctc	gtgttagtgt	ttttttttta	22260

tttttttaaa	atTTTTtttga	gacagagtct	tgctctgttg	cccaggctgg	agtgcagtgg	22320
tgtgatcttg	gctcgtgca	agctccgcct	cccgggttca	agcaattctc	ctgcctcagc	22380
ttcccaaata	gctgggacta	cagatgcatg	ccaccatgcc	tggctaattt	ttgtattttt	22440
agtagagaca	gaatttcacc	atgttggcta	cactggtttg	gacctcctga	cctgaggggt	22500
tccacctgcc	tcggcctctc	aaagtgtga	gattacagga	gtgagccacc	ttgtctagct	22560
cttttttttt	ttttcttttg	agacaagtgc	ttgctctgtc	tcccaggctg	gaacgcagtg	22620
gtgcaatcac	agctccctgc	agcctcgacc	tcccagctc	aagtgatctt	cccacctcag	22680
cctccccagt	agctggggcc	acaggcatgc	accactacgc	ccagctaatt	ttttttattt	22740
tttgtagaga	tgggtgtctca	ccatgttgca	caggctggta	tccaactgct	gggctcaagc	22800
aatcttcctg	ccatggcctc	ccaaagtgt	aggattacag	gcgtgagcca	ctgtgcccac	22860
gtgttagtct	ttacataact	gaatagtga	tgaagtcttg	cagtttctac	cttgccctgc	22920
actggcatta	taagttgtag	tagaaatgtc	actcattgct	tgtaatctca	tgagaggcct	22980
agttagattt	ttctgtactc	tacttccaga	ggagcttata	ggaagggtgac	tttccataaa	23040
ggatgtgagc	tttctaccac	ccaaatatca	gtcgtaaaga	aaatgaggag	tgataaagaa	23100
agaaggattt	gagaggtgaa	gccagctggg	cttctagggt	gggtggggac	ttggaaaact	23160
tttctgtcta	gctagaggat	taaaaacgca	ccaatcagca	ctctttgtct	agctaaagta	23220
ttgtaaatgc	accaatcagc	acactgtaaa	aacgcaccaa	tcagcactct	gtgtctagct	23280
aaaggactgt	aaacgcacca	gtcagcactc	tgtaaaatgg	actaatcagc	aggatgtggg	23340
tggggccaaa	taaggcaata	aaagctggcc	agcgaagcca	gcagcaggca	accactcggg	23400
gtgcccttcc	atgctgtgga	agctttgttc	tttgcctctt	cacagtaaat	cttgctgctg	23460
ctcactctgg	gtccgcacta	ccttcatgag	ctgtaacact	caatgcgagg	gtctgcggct	23520
gcattcctga	agtcagcaag	accacaaaacc	caccgggagg	aacaaacaac	tccagatgag	23580
ccacctttaa	gagctgtaac	actcactgcg	aagggtgtgg	gcttcaactc	tgaagtcagt	23640
gagaccacga	accactggga	aggaagaaac	tccggacaca	tctgaacatc	tgaaggaaca	23700
aactccggac	acaccatctt	taagagctgt	aacgctcacc	gtgaagggtcc	gtggtttcat	23760
tcttgaagtc	agcgagacca	agcatccacc	aaaaggaata	aattccagac	gcagtattta	23820
cagcccagtg	tccacccatt	ccccatgtag	caacccctgg	tacctgagga	aaaaggtcac	23880
agcctctgcc	aatgggtggg	catctttccg	aagaggttcc	acttggactt	tttgaaacat	23940
catgtggctg	tgctgtttga	gaagcctggg	gtgaaattaa	ctatacaaga	atcagggcat	24000
gatcacacac	gcacacacct	ttgcaatttt	tctggctttg	tttacctgt	tactgcaact	24060
tgtgcccttt	ctcacccttt	tcataggtct	tccctgcaaa	gtcttttttt	tttttttttt	24120
ttgagacgga	gtctcgctct	gtcgttcagg	ctggagtga	gtggcgtgat	ctcggctcac	24180
tgcaacctcc	gcctcctggg	ttcacgccat	tctccgcct	cagcctcccg	agtagctggg	24240
actacaggca	cctgctacct	ggcgcagcta	atttgtgtat	ttttaataga	gacgggtttc	24300
accgtgttaa	cgaggatggg	ctccatctct	tgaactcatg	atctgcctgc	ctcagcctcc	24360
caaagtgtta	ggattacagg	cctgagccac	cgcacccgac	ccatcaactg	ttctcttata	24420
tgtgctccta	gatctctata	ttgatgtctg	aaagcttctt	gagagtgttt	tgtcaggtct	24480
atgtccatca	cattcttttg	tggatgtggc	ctcacaaaac	tttcaactca	gcctctatag	24540
tctcctatgt	cattagtggg	gaatagcgtt	cacatatgtg	ggctttgggt	ccaatgcagt	24600
ttgaatcctg	agtatgtcac	taactagtgt	tgtaattttt	ggaacattgt	taacctttct	24660
gatttcagtt	tccttatcct	taaattgaaa	attctagtgt	ttctaacctc	ataggattgt	24720
tgtgaaggtc	aaatgagatc	aaatacttac	aactggacct	aaggggcaact	cattatgagt	24780
tagctgttgt	tactagtaac	ccattgtcat	ccctgtagat	gttccagggg	tttgccgtgg	24840
ggaacctcgc	catgcaggct	tgtctcagg	tctgacctg	tgatgggggc	tgggtgtccc	24900
tgcctcgttt	accactcttt	ccccatactt	tgggtctgact	ctccaatgag	ctcatgattc	24960
ctatgagcga	ttctgtctct	ttgatgaatc	tttagatttg	tcttttgtct	taggccttga	25020
gactgcagta	gaaccttggt	gcctattcta	acccagcccc	ggaaaccaat	gccccaaact	25080
cattctgggc	tgaactcctg	gcttctctcc	acaaacttcc	ggctctctgt	tttatatatt	25140
gttctctagac	taggatattg	gtgttcacaa	atgtttgttg	aaaggttttc	agaggcaatt	25200
aggcatattt	aagaagtga	tgaacacctg	ctcattgata	tgtgttcac	aaactaggac	25260
acgggtgtga	atgatgattt	gacagagatt	ttagaatcag	agagatggaa	gcttgatcct	25320
aactctgaat	cttatggcct	taagcaaaa	atctaacctc	tttgtgcctg	ttttctcatt	25380

tgtaaaatga	ggataattat	atttccctcat	agggttattg	tgaagattaa	atgagacaat	25440
ataaataaag	cacctagcat	tttctggaac	atggtaagca	gttggtaaat	agctgcaact	25500
accaacaggt	agttcaaaac	ttttccctcca	tctgaaaaac	caagagttga	agaaatggct	25560
gaagttggaa	tatctggcag	gagctgtgct	taaacacaag	atccggaata	tctgaatata	25620
tttaggacaa	gatgaaatag	gtttctctca	aatgagttgg	ttaaggagtt	aagcagtgat	25680
aggtaacact	tgaagtttca	caaagatgaa	aactggtaact	tgacagacag	ccacttgatg	25740
gtattctgaa	gtttactgac	cctttgtttct	atttctagaa	caaggtgttc	tatctctttg	25800
cccaaggtgt	tcaaagtata	gagaaacaaa	gaagatcagt	aattacatag	accaaattga	25860
gtatcggatt	tattacgaac	tacatctgct	caaaagactc	atgaactata	tggagttagt	25920
cctatcagag	agaagcaggg	tatccagcta	gctcataggc	ctttttatac	aaaagtttac	25980
cattagcatg	tttggttaaca	ttacttataa	gccaccccaa	ccccctcccc	acacactcaa	26040
gtttccttaa	gtgtatgtat	tagttttcta	ttgaagtaca	ggcaagcttg	actgggttct	26100
ttgctcagag	tcttacaagg	tcaagattaa	aatatccact	agattaagga	cttatcttga	26160
gactgtgagg	agaatctgct	tccaagctca	tttaggctat	aggtagaatc	aagtcccttg	26220
cagttatagg	tctgaggtcc	ctgtttcctt	gctgactatc	agtcaggggc	cactcttagc	26280
ttctcgaggc	tgctctcaag	tcctttccat	gtggacccct	ccatattcaa	taccagcaat	26340
ggcccattga	accatcccat	gctttgagtc	tctgacttct	tttgccagct	aaaggaatct	26400
ctctacttat	aaatggctca	tgtgatgacc	aggataattt	ccccatctta	agatcaactg	26460
tttagtgcc	taattgcctc	tgcaaaatcc	cttcaaaata	gtgcctagat	tagtgtttga	26520
ttgaatagcc	aaggattggg	aatcttgggc	agtcactctca	gaattctgcc	tacacagcat	26580
ggttacaatt	tctgaaaag	ctatcctgtg	aggcctgaca	gttatagtac	aagcatttga	26640
taaacattcc	catttcagaa	tggagaaatc	agccaacaag	aaaggtgcta	caggccccat	26700
gcaagtttga	aagctggaag	ggcagtcatt	agatcttaaa	gctctaacat	aatctttgac	26760
tccatgtccc	atatgtctgg	cataccggtg	cagtgggtgg	gctcccaagg	catggagcag	26820
ctctgtccct	gtggcttttg	aggattcctc	accatgactc	gctctcatgg	gctcgagttg	26880
agtgcctgtg	gctttgccag	gcacaggggtg	caagctgctg	ttggatctac	cattcttggg	26940
tctggaggat	ggtggccctc	ttctcacagc	tccactaggc	agtgtgcccc	attggggaact	27000
ctgtgtgggg	aatgtgtatt	aatctgtttc	cacactgcta	ataaagacat	acccgagact	27060
gggtaattta	taaaggaaaag	gggtttaatt	gactcacagt	tccaccgtgg	ggtggggctc	27120
acaaccatgg	cagaaggcaa	atgaggggca	aagtcaaatc	ttatatggca	gcagacaaga	27180
gagcttgtgc	agtgcactc	ccatttataa	aaccatcaga	tctcagggaa	cttattcact	27240
accactagaa	tagtatgagg	gaaaccactg	ccacgattta	attatctcca	cctggcccca	27300
cctttgacac	gtggagattg	ttacaaatca	aggtagagatt	tgtgtgggga	cacagccaaa	27360
ccatatacgt	gtgccaaact	tacaattccc	cttggcattg	acctagtaga	ggttctctgt	27420
gaaggctcca	cccttgccagc	agtctttctg	ctggacaccc	agacttgctc	atacatcctc	27480
tgaaatcaag	gtggagggtg	gcaaaccctca	agtctttgtg	tctgtacacc	gcaggcttaa	27540
cactacatgg	aagccaccca	ggctttttgg	ttccaccatc	tggaactgca	gcccgaagctg	27600
tacttggggc	cctttgagct	gtgggttagag	gtggagccagc	ctggatgtgg	gaagaagtgt	27660
cccaaggctg	tgcagggcag	caggggccctg	ggcttgggtc	aggaaaaccat	tcttccctcc	27720
taggccaactg	ggcatataat	gggagaggct	gccatgaagg	tctctaaaaat	gcttttgagg	27780
tctttttccc	attgtotttg	gaattagtto	ttgggtccct	tttagtcaag	caaatttgtc	27840
tagcaaatgg	tggctctcca	cagcctgctt	gaattccctc	cctgaaaaag	ctttttcttt	27900
ctttgccaca	tagccaggct	gcaaattttt	caaactttta	tgtgtgtgct	cctgtttaaa	27960
tataaaattcc	aactttaagt	catttctttg	ctcccacatt	taagttaggc	tgtcagaagc	28020
agccatgcca	caacttcaat	gctttgtctg	tgagaaattt	cctctgtctg	ccaggcgtgg	28080
tggcttatgc	ctgtaatccc	agcactttgg	gaggctgagg	tgggoggatc	acctgaggtc	28140
aggagttcga	gaccagccctg	gtcaacatgg	tgaatatctca	tctctattta	aaatacaaaa	28200
attagctggg	catggtgggtg	ggtgocctgt	atccctgcta	ctcaggaggc	tgaggcatga	28260
gaattgcttg	aaccggggag	gcagaggttg	cagtgaacca	agatgcacca	ctgcactcca	28320
gocctgggtga	cagagcgaga	ctcagttctca	aaaaaaaaaa	aaaaaaaaat	ttctgtcaga	28380
cacttagatc	atcacccctt	agttaaaagt	tccacagatc	cctaggggct	ggacagaaca	28440
cagccaagct	ctttgctaag	acacaacaaa	tgtgaccttt	gttttagttc	tcaagaagtt	28500

tctcacttcc	atctgagacc	ttgtcagcct	ggccttcatt	gtccatatca	ctatcagcat	28560
tttgggtgaa	actatttaac	cagtctctaa	gaagttccaa	actttccctc	accttcctat	28620
cttcttctga	gccctccaaa	ctcttccaac	ctatacttgt	taccagttg		28670

<210> 17

<211> 7573

<212> DNA

<213> Homo sapiens

<400> 17

ggtattaaaa	ctgatctttt	gacatttttg	acaatgttct	tataaattac	tttctttttt	60
atcatatatg	gatgggatga	agcacagagt	aagatagagt	gcacagcaaa	ggggatctgc	120
ccctcctatc	tgtccaatac	cccacaggtt	ttggtgataa	tcttgggcaa	tgttccagtc	180
aaacctgcct	cccacttctc	actaaagtta	gtgaacatgt	gaccacacatt	ccccaaataa	240
gagcctctta	taaactccat	tcttggtctt	ttcattcata	gagatagcta	ttttatgaga	300
catagataaa	gcatttttta	gtgatgtgca	cgatgccttt	tttcttaatt	attaacttct	360
caaaacataa	acacattgga	ggcacttaat	aaagggagct	gtacgtaacc	ccgtccgcgc	420
ctccaagggt	tcacggcttc	ctcagcagag	actcgggctc	gtccgccatg	tccgccgcag	480
acgaggttga	cgggctgggc	gtggcccggc	cgcactatgg	ctctgtcctg	gataatgaaa	540
gacttactgc	agaggagatg	gatgaaagga	gacgtcagaa	cgtggcttat	gagtaccttt	600
gtcattttgga	agaagcgaag	aggtggatgg	aagcatgcct	aggggaagat	ctgcctccca	660
ccacagaact	ggaggagggg	cttaggaatg	gggtctacct	tgccaaactg	gggaacttct	720
tctctcccaa	agtagtgtcc	ctgaaaaaaa	tctatgatcg	agaacagacc	agatacaagg	780
cgactggcct	ccacttttaga	cacactgata	atgtgattca	gtggttgaat	gccatggatg	840
agattggatt	gcctaagatt	ttttaccocag	aaactacaga	tatctatgat	cgaaagaaca	900
tgccaagatg	tatctactgt	atccatgcac	tcagtttgta	cctgttcaag	ctaggcctgg	960
ccctcagat	tcaagacctt	tatggaaagg	ttgacttcac	agaagaagaa	atcaacaaca	1020
tgaagactga	gttgagagaag	tatggcatcc	agatgcctgc	ctttagcaag	attgggggca	1080
tcttggtctaa	tgaactgtca	gtggatgaag	ccgcattaca	tgctgtctgt	attgctatta	1140
atgaagctat	tgaccttaga	attccagccg	acacattttg	agctttgaaa	aatccgaatg	1200
ccatgcttgt	aaatcttgaa	gagcccttgg	catccaetta	ccaggatata	ctttaccagg	1260
ctaagcagga	caaaatgaca	aatgctaaaa	acaggacaga	aaactcagag	agagaaagag	1320
atgtttatga	ggagctgtct	acgcaagctg	aaattcaagg	caatataaac	aaagtcaata	1380
cattttctgc	attagcaaat	atcgacctgg	ctttagaaca	aggagatgca	ctggccttgt	1440
tcagggctct	gcagtcacca	gccttggggc	ttcgaggact	gcagcaacag	aatagcgact	1500
ggtacttgaa	gcagctcctg	agtataaaac	agcagaagag	acagagtggg	cagactgacc	1560
ccctgcagaa	ggaggagctg	cagtctggag	tggatgtctg	aaacagtgtc	gcccagcaat	1620
atcagagaag	attggcagca	gtagcactga	ttaatgtctg	aatccagaag	ggtgttgctg	1680
agaagactgt	tttggaactg	atgaatcccg	aagcccagct	gccccagggt	tatccatttg	1740
ccgcgcgatc	ctatcagaag	gagctggcta	ccctgcagcg	acaaagtcc	gaacataatc	1800
tcacccaccc	agagctctct	gtcgacgtgg	agatgttgct	atcggtggcc	ctgatcaaca	1860
gggcattgga	atcaggagat	gtgaatacag	tgtggaagca	attgagcagt	tcagttactg	1920
gtcttaccba	tattgaggaa	gaaaactgtc	agaggtatct	cgatgagttg	atgaaactga	1980
aggtccaggg	acatgcagag	aataatgaat	tcattacatg	gaatgatata	caagcttgcg	2040
tggacbatgt	gaacctgggt	gtgcaagagg	aacatgagag	gatttttagcc	attgggttaa	2100
ttaatgaagc	cctggatgaa	ggtgatgcgc	aaaagactct	gcaggcccta	cagattcctg	2160
cagctaaaact	tgagggagtc	cttgcaagaag	tggcccagca	ttaccaagac	acgctgatta	2220
gagcgaagag	agagaaagcc	caggaaatcc	aggatgagtc	agctgtgtta	tggttggatg	2280
aaattcaagg	tggaaatctg	cagtccaaaca	aagacaccca	agaagcacag	aagtttgcc	2340
taggaatctt	tgccattaat	gaggcagtag	aaagtgggtga	tgttggcaaa	acactgagtg	2400

cccttcgctc	ccctgatggt	ggcttgtatg	gagtcacccc	tgagtgtggt	gaaacttacc	2460
acagtgatct	tgctgaagcc	aagaagaaaa	aactggcagt	aggagataat	aacagcaagt	2520
gggtgaagca	ctgggtaaaa	ggtggatatt	attattacca	caatctggag	accaggaag	2580
gaggatggga	tgaacctcca	aattttgtgc	aaaattctat	gcagctttct	cgggaggaga	2640
tccagagttc	tatctctggg	gtgactgccg	catataaccg	agaacagctg	tggctggcca	2700
atgaaggcct	gatcaccagg	ctgcaggctc	gctgccgtgg	atacttagtt	cgacaggaat	2760
tccgatccag	gatgaatttc	ctgaagaaac	aaatccctgc	catcacctgc	attcagtcac	2820
agtggagagg	atacaagcag	aagaaggcat	atcaagatcg	gttagcttac	ctgcgctccc	2880
acaaagatga	agttgtaaa	attcagtcct	tggcaaggat	gcaccaagct	cgaaagcgct	2940
atcgagatcg	cctgcagtac	ttccgggacc	atataaatga	cattatcaaa	atccaggctt	3000
ttattcgggc	aaacaaagct	cgggatgact	acaagactct	catcaatgct	gaggatcctc	3060
ctatggttgt	ggtccgaaaa	tttgtccacc	tgctggacca	aagtgaccag	gattttcagg	3120
aggagcttga	ccttatgaag	atgcgggaag	aggttatcac	cctcattcgt	tctaaccagc	3180
agctggagaa	tgacctcaat	ctcatggata	tcaaaattgg	actgctagt	aaaaataaga	3240
ttacgttgca	ggatgtggtt	tcccacagta	aaaaacttac	caaaaaaat	aaggaacagt	3300
tgtctgatat	gatgatgata	aataaacaga	agggaggtct	caaggctttg	agcaaggaga	3360
agagagagaa	gttggaaagct	taccagcacc	tgttttatatt	attgcaaacc	aatcccacct	3420
atctggccaa	gctcattttt	cagatgcccc	agaacaagtc	caccaagttc	atggactctg	3480
taatcttcac	actctacaac	tacgcgtcca	accagcgaga	ggagtacctg	ctcctgcggc	3540
tctttaagac	agcactccaa	gaggaaatca	agtcgaaggt	agatcagatt	caagagattg	3600
tgacaggaaa	tcttacgggt	attaaaatgg	ttgtaagtgt	caaccgtggt	gcccgaggcc	3660
agaatgccct	gagacagatc	ttggccccag	tcgtgaagga	aattatggat	gacaaatctc	3720
tcaacatcaa	aactgaccct	gtggatatatt	acaaatcttg	ggttaatcag	atggagtctc	3780
agacaggaga	ggcaagcaaa	ctgccctatg	atgtgacccc	tgagcaggcg	ctagctcatg	3840
aagaagtga	gacacggcta	gacagctcca	tcaggaacat	gcgggctgtg	acagacaagt	3900
ttctctcagc	cattgtcagc	tctgtggaca	aaatccctta	tgggatgcgc	ttcattgcca	3960
aagtgtctga	ggactcgttg	catgagaagt	tccctgatgc	tgggtaggat	gagctgctga	4020
agattattgg	taacttgctt	tattatcgat	acatgaatcc	agccattgtt	gctcctgatg	4080
cctttgacat	cattgacctg	tcagcaggag	gccagcttac	cacagaccaa	cgcggaaatc	4140
tgggctccat	tgcaaaaatg	cttcagcatg	ctgcttccaa	taagatgttt	ctgggagata	4200
atgcccactt	aagcatcatt	aatgaatata	tttcccagtc	ctaccagaaa	ttcagacggt	4260
ttttccaaac	tgcttgtgat	gtcccagagc	ttcaggataa	atttaatgtg	gatgagtact	4320
ctgatttagt	aaccctcacc	aaaccagtaa	tctacatttc	cattggtgaa	atcatcaaca	4380
cccacactct	cctgtttggat	caccaggatg	ccattgctcc	ggagcacaat	gatccaatcc	4440
acgaactgct	ggacgacctc	ggcgagggtg	ccaccatoga	gtccctgata	ggggaaaagt	4500
ctggcaattt	aaatgaccca	aataaggagg	cactggctaa	gacggaagt	ttctctaccc	4560
tgaccaacaa	gttcgacgtg	cctggagatg	agaatgcaga	aatggatgct	cgaaacctct	4620
taactgaatac	aaaaagttta	attgtggatg	tcatacgggt	ccagccagga	gagaccttga	4680
ctgaaatcct	agaaacacca	gccaccagtg	aacaggaagc	agaacatcag	agagccatgc	4740
agagacgtgc	tatccgtgat	gccaaaaaac	ctgacaagat	gaaaaagtca	aaatctgtaa	4800
aggaagacag	caacctcaact	cttcaagaga	agaaagagaa	gatccagaca	ggttttaaaga	4860
agctaacaga	gotttggaaac	gtggacccaa	agaacaaata	ccaggaaact	atcaaacgaca	4920
ttgcccaggga	tattccggaat	cagcggaggt	accgacagag	gagaaaaggcc	gaactagtga	4980
aaactgcaaca	gacatacgtt	gctctgaact	ctaaggccac	cttttatggg	gagcaggtgg	5040
attaactataa	aagctatatac	aaaaacctgct	tggataaact	agccagcaag	ggcaaaagtct	5100
ccaaaaagcc	tagggaaatg	aaaggaaaag	aaagcaaaaa	gatttctctg	aaatatcacg	5160
cagcaagact	acatgaaaaa	ggagttcttc	tggaaaattga	ggacctgcac	gtgaatcagt	5220
ttaaaaatgt	tatatattgaa	atcagtcocaa	cagaagaagt	tggagacttc	gaagtgaag	5280
ccaaattcat	gggagtccaa	atggagactt	ttatgttaca	ttatcaggac	ctgctgcagc	5340
tacagtatga	aggagtgtga	gtcatgaaat	tatttgatag	agctaaagta	aatgtcaacc	5400
tctctgatctt	ccttctcaac	aaaaagttct	acgggaagta	attgatcgtt	tgtgtccagc	5460
ccagaaggat	gaaggaaaaga	agcacctcac	agctccttcc	taggtccttc	tttctcatt	5520

ggaagcaaag	acctagccaa	caacagcacc	tcaatctgat	acactcccga	tgccacattt	5580
ttaactcctc	tgcctctgat	gggacatttg	ttaccctttt	ttcatagtga	aattgtgttt	5640
caggcttagt	ctgacctttc	tggtttcttc	attttcttcc	attacttagg	aaagagtggg	5700
aactccacta	aaatttctct	gtgttggtac	agtcttagag	gttgcagtac	tatatgttaa	5760
gctttggtgt	ttgtttaatt	agcaataggg	atggtaggat	tcaaagtgtg	gtcattttag	5820
agtgggaagc	attagcacca	atgacataaa	tacatacaag	acacagaact	aaaatgtcat	5880
gttattaaca	gttattaggt	tgtcatttaa	aaataaagtt	cctttatatt	tctgtcccat	5940
caggaaaact	gaaggatatg	gggaatcatt	ggttatcttc	cattgtgttt	ttctttatgg	6000
acaggagcta	atggaagtga	cagtcattgt	caaaggaagc	atttctagaa	aaaaggagat	6060
aatgttttta	aatttcatta	tcaaacttgg	gcaattctgt	ttgtgttaact	ccccgactag	6120
tggatgggag	agtcccattg	ctaaaattca	gtactcaga	taaattcaga	atgggtcaag	6180
gcacctgcct	gtttttgttg	gtgcacagag	attgacttga	ttcagagaga	caattcactc	6240
catccctatg	gcagaggaat	gggttagccc	taatgtagaa	tgtcattgtt	tttaaaactg	6300
ttttatatct	taagagtgcc	ttattaaagt	atagatgtat	gtcttaaaat	gtgggtgata	6360
ggaattttta	agatttatat	aatgcatcaa	aagccttaga	ataagaaaag	ctttttttta	6420
attgctttat	ctgtatatct	gaactcttga	aacttatagc	taaaacacta	ggatttatct	6480
gcagtgttgc	agggagataa	ttctgcctta	aattgtctaa	aacaaaaaca	aaaccagcca	6540
acctatgtta	cacgtgagat	taaaaccaat	tttttcccca	ttttttctcc	ttttttctct	6600
tgctgcccac	atttgtcctt	tattttatga	gccccagttt	tctgggctta	gtttaaaaaa	6660
aaaatcaagt	ctaaacattg	catttagaaa	gcttttgttc	ttggataaaa	agtcatacac	6720
tttaaaaaaa	aaaaaaaaac	tttttccagg	aaaatatatt	gaaatcatgc	tgctgagcct	6780
ctattttctt	tctttgatgt	tttgattcag	tattctttta	tcataaattt	ttagcattta	6840
aaaattcact	gatgtacatt	aagccaataa	actgctttta	tgaataacaa	actatgtagt	6900
gtgtccctat	tataaatgca	ttggagaagt	atttttatga	gactctttac	tcagggtgcat	6960
ggttacagcc	acaggaggag	atggagtgcc	atggaaggat	tcgccactac	ccagaccttg	7020
ttttttgttg	tattttggaa	gacaggtttt	ttaaagaaac	attttcctca	gattaaaaga	7080
tgatgctatt	acaactagca	ttgcctcaaa	aactgggacc	aaccaaagtg	tgtcaaccct	7140
gtttccttaa	aagaggctat	gaatcccaaa	ggccacatcc	aagacaggca	ataatgagca	7200
gagtttacag	ctcctttaat	aaaatgtgtc	agtaatttta	aggtttatag	ttccctcaac	7260
acaattgcta	atgcagaata	gtgtaaaatg	cgcttcaaga	atgttgatga	tgatgatata	7320
gaattgtggc	tttagtagca	cagaggatgc	cccaacaaac	tcattggcgt	gaaaccacac	7380
agttctcatt	actgttatct	attagctgta	gcattctctg	tctcctctct	ctcctccttt	7440
gaccttctcc	tcgaccagcc	atcatgacat	ttaccatgaa	tttacttcc	cccaagagtt	7500
tggactgccc	gtcagattgt	ttctgcacat	agttgccttt	gtatctctgt	atgaaataaa	7560
aggtcatttg	ttc					7573

<210> 18

<211> 4974

<212> DNA

<213> Homo sapiens

<400> 18

atgtccgcgc	cagacgaggt	tgcagggtgt	ggcgtggccc	ggccgcacta	tggtctctgtc	60
ctggataatg	aaagacttac	tgcagaggag	atggatgaaa	ggagacgtca	gaacgtgggt	120
tatgagtacc	tttgtcattt	ggaagaagcg	aagaggtgga	tggaagcatg	cctaggggaa	180
gatctgcctc	ccaccacaga	actggaggag	gggttagga	atgggttcta	ccttgccaaa	240
ctggggaaat	tcttctctcc	caaagtagtg	tcctgaaaa	aaatctatga	tcgagaacag	300
accagataca	aggcgactgg	cctccacttt	agacacactg	ataatgtgat	tcagtgggtt	360
aatgcacatg	atgagattgg	attgcctaag	attttttacc	cagaaaactac	agatatctat	420
gacgaaaaga	acatgccaa	atgtatctac	tgtatccatg	cactcagttt	gtacctgttc	480

aagctaggcc	tggccctca	gattcaagac	ctatatggaa	aggttgactt	cacagaagaa	540
gaaatcaaca	acatgaagac	tgagttggag	aagtatggca	tccagatgcc	tgcttttagc	600
aagattgggg	gcattctggc	taatgaactg	tcagtggatg	aagccgcatt	acatgctgct	660
gttattgcta	ttaatgaagc	tattgaccgt	agaattccag	ccgacacatt	tcgagctttg	720
aaaaatccga	atgccatgct	tgtaaatctt	gaagagccct	tgccatccac	ttaccaggat	780
atactttacc	aggctaagca	ggacaaaatg	acaaatgcta	aaaacaggac	agaaaactca	840
gagagagaaa	gagatgttta	tgaggagctg	ctcacgcaag	ctgaaattca	aggcaatata	900
aacaaagtca	atacattttc	tgcattagca	aatatcgacc	tggttttaga	acaaggagat	960
gcactggcct	tggtcagggc	tctgcagtca	ccagccctgg	ggcttcgagg	actgcagcaa	1020
cagaatagcg	actggtactt	gaagcagctc	ctgagtgata	aacagcagaa	gagacagagt	1080
ggtcagactg	acccctgca	gaaggaggag	ctgcagtctg	gagtggatgc	tgcaaacagt	1140
gctgcccagc	aatatcagag	aagattggca	gcagtagcac	tgattaatgc	tgcaatccag	1200
aagggtgttg	ctgagaagac	tgttttggaa	ctgatgaatc	ccgaagccca	gctgccccag	1260
gtgtatccat	ttgccgccga	tctctatcag	aaggagctgg	ctaccctgca	ggacaaaagt	1320
cctgaacata	atctcaccca	cccagagctc	tctgtcgcag	tgagatgtt	gtcatcgggtg	1380
gccctgatca	acagggcatt	ggaatcagga	gatgtgaata	cagtgtggaa	gcaattgagc	1440
agttcagtta	ctggtcttac	caatattgag	gaagaaaact	gtcagaggta	tctcgatgag	1500
ttgatgaaac	tgaaggctca	ggcacatgca	gagaataatg	aattcattac	atggaatgat	1560
atccaagctt	gcgtggacca	tgtgaacctg	gtggtgcaag	aggaacatga	gaggatttta	1620
gccattgggt	taattaatga	agccctggat	gaaggtgatg	cccaaaagac	tctgcaggcc	1680
ctacagattc	ctgcagctaa	acttgaggga	gtccttgca	aagtggccca	gcattacca	1740
gacacgctga	ttagagcgaa	gagagagaaa	gccaggaaa	tccaggatga	gtcagctgtg	1800
ttatgggtgg	atgaaattca	aggtggaatc	tggcagtcca	acaaagacac	ccaagaagca	1860
cagaagtttg	cottaggaat	ctttgccatt	aatgaggcag	tagaaagtgg	tgatgttggc	1920
aaaacactga	gtgcccttcg	ctccctgat	gttggcttgt	atggagtcac	cctgagtggt	1980
ggtgaaactt	accacagtga	tcttgctgaa	gccaagaaga	aaaaactggc	agtaggagat	2040
aataacagca	agtgggtgaa	gcactgggta	aaaggtggat	attattatta	ccacaatctg	2100
gagaccacag	aaggaggatg	ggatgaacct	ccaaattttg	tgcaaaattc	tatgcagctt	2160
tctcgggagg	agatccagag	ttctatctct	ggggtgactg	ccgcatataa	ccgagaacag	2220
ctgtggctgg	ccaatgaagg	cctgatcacc	aggctgcagg	ctcgctgccg	tggtacttta	2280
gttcgacagg	aattccgac	caggatgaat	ttcctgaaga	aacaaatccc	tgccatcacc	2340
tgcattcagt	cacagtggag	aggatacaag	cagaagaagg	catatcaaga	tcggttagct	2400
tacctgcgt	cccacaaaga	tgaagttgta	aagattcagt	cctgggcaag	gatgcaccaa	2460
gctcgaaagc	gctatcgaga	tcgcctgcag	tacttcgggg	accatataaa	tgacattatc	2520
aaaatccagg	cttttattcg	ggcaaacaaa	gctcgggatg	actacaagac	tctcatcaat	2580
gctgaggatc	ctcctatggt	tgtggtccga	aaatttgctc	acctgctgga	ccaaagtga	2640
caggattttc	aggaggagct	tgaccttatg	aagatggggg	aagaggttat	cacctcatt	2700
cgttctaacc	agcagctgga	gaatgacctc	aatctcatgg	atatcaaaat	tggaactgta	2760
gtgaaaaata	agattacgtt	gcaggatgtg	gtttccacac	gtaaaaaact	tacaaaaaaa	2820
aataaggaaa	agttgtctga	tatgatgatg	ataaataaaa	agaaggaggg	tctcaaggct	2880
ttgagcaagg	agaagagaga	gaagttggaa	gcttaccagc	acctgtttta	tttattgcaa	2940
accaatccca	cctatctggc	caagctcatt	tttcagatgc	cccagaacaa	gtccaccaag	3000
ttcatggact	ctgtaatctt	cacactctac	aactacgggt	ccaaaccagcg	agaggagtaa	3060
ctgctcctgc	ggctctttta	gacagbactc	caagaggaaa	tcaagtccga	ggtagatcag	3120
attcaagaga	ttgtgacagg	aaatctctac	gttattaaaa	tggttgtaag	tttcaacctg	3180
ggtgcccgtg	gcagaaatgc	cctgagacag	atcttggccc	cagtctgtga	ggaaattatg	3240
gatgacaaat	ctctcaacat	caaaactgac	cctgtggata	tttacaatac	ttgggttaac	3300
cagatggagt	ctcagacagg	agaggcaagc	aaactgccc	atgatgtgac	ccctgagcag	3360
gggtatgctc	atgaagaagt	gaagacacgg	ctagacagct	ccatcaggaa	catgogggct	3420
gtgacagaca	agtttctctc	agccattgtc	agctctgtgg	acaaaatccc	ttatgggatg	3480
cgcttcattg	ccaaagtgtc	gaaggactcg	ttgcatgaga	agttccctga	tgctgggtgag	3540
gatgagctgc	tgaagattat	tggtaaactg	ctttattatc	gatacatgaa	tccagccatt	3600

gttgctcctg	atgcctttga	catcattgac	ctgtcagcag	gaggccagct	taccacagac	3660
caacgccgaa	atctgggctc	cattgcaaaa	atgcttcagc	atgctgcttc	caataagatg	3720
tttctgggag	ataatgccc	cttaagcatc	attaatgaat	atctttccca	gtcctaccag	3780
aaattcagac	ggtttttcca	aactgcttgt	gatgtcccag	agcttcagga	taaatttaaat	3840
gtggatgagt	actctgattt	agtaaccctc	accaaaccag	taatctacat	ttccattggg	3900
gaaatcatca	acacccacac	tctcctgttg	gatcaccagg	atgccattgc	tccggagcac	3960
aatgatccaa	tccacgaact	gctggacgac	ctcggcgagg	tgcccaccat	cgagtcctctg	4020
ataggggaaa	gctctggcaa	tttaaattgac	ccaaataagg	aggcactggc	taagacggaa	4080
gtgtctctca	ccctgaccaa	caagttcgac	gtgcctggag	atgagaatgc	agaaatggat	4140
gctcgaacca	tcttactgaa	tacaaaacgt	ttaattgtgg	atgtcatccg	gttccagcca	4200
ggagagacct	tgactgaaat	cctagaaaaca	ccagccacca	gtgaacagga	agcagaacat	4260
cagagagcca	tgagagagcg	tgctatccgt	gatgccaaaa	cacctgacaa	gatgaaaaaag	4320
tcaaaatctg	taaaggaaga	cagcaacctc	actcttcaag	agaagaaaga	gaagatccag	4380
acaggtttta	agaagctaac	agagcttgga	accgtggacc	caaagaacaa	ataccaggaa	4440
ctgatcaacg	acattgccag	ggatattcgg	aatcagcgga	ggtaccgaca	gaggagaaaag	4500
gccgaactag	tgaaactgca	acagacatac	gctgctctga	actctaaggc	caccttttat	4560
ggggagcagg	tggattacta	taaaagctat	atcaaaaacct	gcttgataa	cttagccagc	4620
aaggggcaag	tctccaaaaa	gcctagggaa	atgaaaggaa	agaaaagcaa	aaagattttct	4680
ctgaaatata	cagcagcaag	actacatgaa	aaaggagttc	ttctggaaat	tgaggacctg	4740
caagtgaatc	agtttaaaaa	tgttatatatt	gaaatcagtc	caacagaaga	agttggagac	4800
ttcgaagtga	aagccaaatt	catgggaggt	caaatggaga	cttttatggt	acattatcag	4860
gacctgctgc	agctacagta	tgaaggaggt	gcagtcatga	aattatttga	tagagctaaa	4920
gtaaatgtca	acctcctgat	cttcctttctc	aacaaaaagt	tctacgggaa	gtaa	4974

<210> 19

<211> 25424

<212> DNA

<213> Mus musculus

<400> 19

gatccttcaa	tgcgccacctg	cctccctccc	ctgtagtgtg	ggagttacag	gcaagcatgg	60
ccatgcccc	ctttttacga	atgctgggga	tttgaaccca	ggtcctcatg	cttgcacaga	120
aaatgctctt	acctactgag	ccatctccat	aatcacctca	attttctttt	cttttaaaaa	180
tatttttatt	ttatttttgt	tgggtgtttt	gtctaagtat	atgcctgtgt	tcccacagag	240
gocagcagag	ggcatcatag	cctctggaac	tgacattatg	gacaattatg	agctaccaag	300
tgggcactag	gaatcaaac	taggtcctta	ggaagaggac	cttgggaagag	ctcttaactc	360
ccgagccatc	tctggagtcc	cccacttaac	tgtgaacagc	agttctgcaa	atcaaaccaa	420
gacctcacc	atactaggcg	agcactccag	tccttagctg	tatctctcac	ccacttatga	480
cctttcatgc	tacacaagta	ttttcatttt	atataatttt	atttttctta	tttgtttggc	540
ttagtagacg	tgttatcaca	cctggtcatg	atctgtttct	accccactcc	cgtttttcat	600
gcatgtgctg	tggtatgcat	gtgtgtatac	atgtatatat	gcatgtgtat	atacatgtat	660
gtatgcatgt	tcatatacat	gtgtgtatgc	atgtgtgcat	acatgtgtat	gcatgtgtgt	720
atgatgtgtg	tatacatgtg	tgtatgcatg	tgcgtatasa	tgtgcgcata	catgtgtgca	780
tgcattgtgtg	tatacatgtg	tgtatgcata	tgtgcataca	tgtttgtata	catgtgtgta	840
tgcattgtgtg	tatacatgtg	tgtatacacg	tgtgtatgca	tgtgtgtatg	catgtgtgta	900
tgcattgtgtg	tatgcatgtg	tgtatgcatg	tgtgtatgca	tgtgtgtata	catgtgtgta	960
tggatataca	tgcatgtgtg	gaccagagca	cgtggagggc	cgaggctgat	gttgagaatt	1020
accttccatt	gctttccca	tttatccagg	gtctctcaat	caaaccagga	gctcactgat	1080
atgactaate	ttactaagga	gcttccctctg	gagagtgage	tcccatctcc	actttccaag	1140
gctgacatag	gaggcaggcc	atcatgcata	cctggcattt	actcgtttct	gggcatccaa	1200
actctagcgc	tcacgcttgt	aaagcaagtg	cttaacctga	gccatcatgc	gatctgctct	1260

aatttttttaa	gacaggtctt	gctttgtatt	ccttgctage	ctggaactct	gtgtagccca	1380
cactggcctt	gaacacttgc	ccttttttaa	aatttatttt	tattatttta	tgtgtatgat	1440
tattttgctt	gcctgcatgt	gagagcactg	tgtgtgtgcc	tggtagccgc	tgagttcaaa	1500
atgtccttgt	atgccctgag	actggagtta	cagacaagta	ctcttaactt	tggagtcacc	1560
tctccagccc	ttctttttgtg	ttttgataaa	tgaggttaat	tagtgaagaa	atgggtgcatt	1620
caaactgtta	cagtttcttc	taggctccac	accatggtta	cctggcaaca	gctaggtatg	1680
cctgactcac	tatagaaggg	actgcttgcc	tgtcttctct	tactcttttt	tttttttttt	1740
tttttttttt	ttgagacagg	gtttctctgt	atagctctgg	ctgtcctgga	actcactttg	1800
tagaccaggt	tcgcctcgaa	ctcaaaaatc	cgtttgcctc	tgccttctga	gtgctgggaa	1860
taaaggtgtg	cgccaccacg	cgcccggtt	ctctcttact	cttttactct	ctaactctcc	1920
tccctttctg	ccccttctct	cccattccc	ctccccacat	ctctccaagg	gttaatggtc	1980
agcctctctc	tctctctctc	tctctctctc	tctctctctc	tctctctctc	tctctgcctt	2040
tctctgcctc	tattaccccc	taactccctt	ccccatgccc	taaatgaact	ctagtttata	2100
ctatacctcg	tcctgtgcct	gagcatgggc	ccacagaggc	acccctcac	ctcatcatac	2160
cacaccacct	ccaaacatat	ccttggcctt	tctttctttt	ttataaaaac	gaaaacaaaac	2220
gtttttgggg	gtgatgtgga	aatccaattc	agaatctata	aaaagacagg	atgaacgaaa	2280
ttgactggat	aaaaattcag	atttggggct	ggagaggtgg	ctcgggtgatt	aagagcacac	2340
acttactctt	gcagaggagc	aaagtgtgac	tcttagcact	cacgttgggc	agttaataac	2400
cttctctaata	tccagttcca	gaggatccaa	tacctctggc	ctctgtgggc	atccaaattc	2460
aatgcaaat	accacacacg	aaacacataa	ttaaaaataa	aataaacctg	gatggagaga	2520
gagctcagca	gttaagagca	ctgactgctc	ttccagaggt	cctgagttca	agtcaccagca	2580
accacatggt	ggcttacaac	catctttaat	gggatctgat	gccctcttct	ggtgtgtctg	2640
aagacagcta	taatgtactt	ataaataaaa	tatataagtc	ttttcttaaa	aaatttaaaaa	2700
ataaaatgaa	ccttaaaaaa	aaaacaaaaa	cccagatgtg	gggctgaaga	gatggccttg	2760
tggttaagag	cattggctgc	tctttcagag	gaccttggtg	caacctcccg	caccacatg	2820
gtagttcaca	acttttataa	ctccagtcag	gagatcttac	acctcaaac	cagtgcacat	2880
aaaataaaat	aaaataaaat	aaaataaaat	aaaaaattta	aagccaaata	tcattttaag	2940
tcagaagaaa	tgaatttatt	ttgctgtgtg	tatgtttgtg	tgtgtgtgtg	tgtgcgcgcg	3000
tgcgcgcgcg	tgcgagccag	agttacaggg	aagtgtgaag	gcaccatac	gggtgctggg	3060
atctgaaact	cggaatcctt	tgaatgagca	ggaagtgtta	tttaccagta	aactatctct	3120
ccaacattca	aattctttca	tttgatagac	tacgagaaaag	caaacgacaa	aatgagaaaa	3180
caacagttcc	tgggtcagcg	agatggctca	gtgggttaaag	gtgcatttta	tcgtagacca	3240
cggaggatat	tgtttatcac	ttctccctta	gatttcttac	ctgagtgtcc	aggtagttac	3300
tctcttgttt	ttatttagta	tggatcccat	ggaaccaggc	ccacaaaactg	ttgtgagctg	3360
taatgtagg	gttggggctt	tctgcaagag	cagcaagtgc	tcttaactct	tacgcgcgcg	3420
caactggcca	ggaagaacga	cgtgcaaca	ggtactctct	gcacacgttt	attgggagag	3480
cttgattgta	gaggcgaaaa	gacctgagc	ccagaactgg	tgctgcttac	ataggcctag	3540
gagaggtgtg	tctcacatct	gattggttta	cctgtcttgg	caaaaagaacc	ttcactgcct	3600
atgtatgtgt	agtggccagc	agtagccaac	tgccactctg	caactgccac	tctgcaactg	3660
ccactctgca	acggcttccc	acacttaacc	actgaaccat	ctctccagcc	cccaagtcaa	3720
gggttttaac	tagagcgagt	aaggggagtaa	aagtttgtat	gctcttttggg	aagagagcaa	3780
tccgtacaga	gtaggaatgg	ctgtgtcggg	gacagaagtg	ggttttagatt	tatccttttat	3840
ctgttatcct	ctccctgtcc	ctccattaag	gggggcacta	aaacaaagtg	gcacactttt	3900
ccttgaagct	catttcaccc	agtcttgggg	cctaagtgc	ctcaaagctg	aaaagtccac	3960
ttggtgaagg	ggtagcaggg	actccatgca	tactcttata	tagagatacc	ctgaagccag	4020
ttgaagctga	gccaaatagt	ajaaactaac	catctattgc	tgtcttttac	atcctgtttt	4080
ggggaccttg	agatgaacca	tctggaaggga	ccactattgt	cctttgtgtc	ctgttttagg	4140
gtgcctgggt	ggtcattccc	tccagagct	aacctcttgc	ctaaactgtg	ggcaggttcc	4200
aaggagccga	ctatagacta	ggaacttaaa	agcagaaaaga	ggggggcggg	gctttcgtga	4260
agacgcaaga	ataccacgtg	tjaaaacaaa	ggggagtga	acccggaggt	gcaaagtgcct	4320
gtgcgtagct	gcaaatttcc	aggagaggtg	cgaacttggg	ccaagaggaa	ccttgattgc	4380
gcagattttct	tctctgttta	gagtcagctt	ttggctctcg	agggtcatt	tgcactcaa	4440

ttctcagctg	aaaaagactg	ataaattcac	ccagctttca	ttttttatag	ataaatcac	4500
gcgagcttta	gagaattggc	actatctgtc	tcaggtgaaa	gctttgggca	gtactagaag	4560
acagacagct	agtcctgggt	cgctctctgc	ctctgatccg	gaggcattac	ttacggctat	4620
caaaccctct	gttcgctcag	gtacaaacca	ccccccccc	cgctctctggg	taaactacat	4680
ttcccgaat	gcacgggtg	gaacttccct	cccaacgccc	atctggacgc	agttttcacc	4740
aatagtggag	cagaatttca	ggaactgttg	tggacagcca	atgagagtgg	ccatgggcgg	4800
gcctctcccg	tccattgttc	tctgtgcccc	ttgggcttga	gctgaggtga	atccagaggg	4860
gccggggccg	gccggggccag	accgtggggg	gcttttgccg	tcagagagat	agcgggaaca	4920
ggacctgggc	cctggagagg	cgagcgggag	aggcaggtca	ggagccgcgc	gccccgcggg	4980
gaacagccag	agagacagcg	agtaacgggc	ctggagccag	ctcagggcag	tttgggggag	5040
gggcgttcgg	tgccgcgcgc	cgacgggctg	gacgcgcagc	tctgcgtcct	ggttcttcgg	5100
agccctcgag	gctccgctca	caccagagcg	ctgggtacgc	gcagcctagg	aacgcaggct	5160
ttacactggg	aagggatgct	cgacgacatc	ccaccgagcc	gcctccttga	ccaggtgggg	5220
aaactgaggt	tctgaggggg	cgtgtcggag	ccaggcttag	ctaataagct	gtctaggttc	5280
agtgttcccg	ggatgtccag	gaagaattac	gatgtatttg	tgtttcacgt	agtcattttg	5340
gacaaattga	cattgggagc	ttcagttttc	tttctgttgt	tgctgttctg	ttttaacttt	5400
tgctattttc	atgggggagg	gcattgttatc	tgattctatg	gtgtaatgat	tttttaaaaa	5460
taaatattca	ttgctttcat	aatacttata	tagtttttaa	ttccactgct	ttgaatatatt	5520
tgtagagcta	ctactcagat	ctaggtgtgt	gtccccaca	ccccacccc	ccgcaatgat	5580
ccccatgtgt	gttcattttaa	aaaggaattg	ggcaggcagt	aatctcagca	ctcaggaagc	5640
aggacaggca	ggtcaggagt	tcgaggccag	cgtgggctac	ataatgagat	cttgcttcag	5700
aagcaaaaaa	ataaacagaa	atgtctgtac	tgaacatgta	ggagcgttct	cgttattatt	5760
cccaaacagt	acagcatacc	aactgtttac	atattattta	cacttaagta	tatgttgtct	5820
agagatgatt	gaaggtattt	ggtacaccat	tttatatagg	ggccttgagg	agtcctggat	5880
tctgggatct	gggagattat	ctgagggcaa	cctcctttga	aatatagcac	taatgacttg	5940
tagtgaagct	gggggcacct	tgacatgcga	tccattagta	atcactatga	tgttccatat	6000
gataaggatg	agtgttatct	attcatttaag	tggtcactga	ggttgaatga	ctaacctctt	6060
tgtttaggtca	cagtctctga	agggagctctg	aactgactta	gggtaggata	tgtcagttct	6120
gtttctctca	gccagatca	ctgcacccca	ctactcttcc	tttgggtctc	tgaaaagagc	6180
aatgctgtgt	atgtgtgtgg	tagttgttat	tattattatt	attattatta	ttattattat	6240
tattattatt	attattgggt	tgctatatcc	ccttggtgtc	tttaaataac	tactaggtgt	6300
ttctacccca	cttcagacca	tattgttccc	agataaaaaga	cacagaaaacc	tgtagattca	6360
taataagctt	aaaagcatta	aagtgtgggt	attttgtcta	cctcccaagg	tatcacttgc	6420
catgctctgc	ctgggcgcgt	tctactccat	caggccagcc	cctatagcca	tgggctcatg	6480
aactacctcc	cccatggcca	cttcttctct	tctttttctc	tcttcatggg	ctctacctca	6540
gatcccaagg	ctgggaaact	ttgtctccac	ccctgccttc	tgcccagtca	tctctatttg	6600
ctgggataag	ttgggggggtg	gggcaagggt	tacagagcat	catttggtgt	atatgagacc	6660
ttctagttgc	gtgcaaccag	atcttggggg	ccagtattta	gcatttgaat	agtgatatac	6720
gaccaatgtt	gtgtgtgtgt	gatatttctt	cttttttggg	gggggggggg	tgggtgtttc	6780
aagacagggg	ttctctgtat	agccctgggt	gtcctggaac	tcacttttga	gaccaggctg	6840
gccttgaaat	cagaaaatccg	cctgcctctg	cctcccgagt	gctgggatta	aaggtgtgcg	6900
ccaccacgat	gggtgtgat	attccttttg	ccatagagag	tcactgcttt	tagaagtaag	6960
gcaacaagcc	tctgttggtt	ttaaatatgc	ggaggctgct	atgagatggc	tgtagcagtt	7020
tccttagtga	ttctgtttct	ctgccttggt	tctcagcagt	gtttcttggt	gagattggag	7080
gaaagaaggc	cttctcagag	agccctgactg	gagacagggtg	ttaggcttga	agccctcggtg	7140
accatccagg	aagtttgaca	atggcagccg	aagtgcagc	agtgcagcact	ccctccagcc	7200
ctttgggttca	ggtacctcaa	gaagaagatg	aacaggcaga	ggccaccact	atgatccctgg	7260
aggatgacgc	gtgggtgcag	gaagcagtcg	tgccaggagga	tggccctgag	tctgagccct	7320
ttccccagag	tgctgjaaaa	ggcagccccc	aggagggagga	cgcagccagag	ggaccccagg	7380
gtgctcttgt	ccgatttctg	gagctctgtc	ggcgttggt	gaggccagag	gtgcacacta	7440
aggagcagat	gctaactgtg	ctgccaagag	aaattcaggc	ctggctgcaa	gaacatcggc	7500
ctgagagcag	tgaggaggca	gtggccctgg	tggaagacct	gaccagact	tttcgggcaca	7560

gtggtaagac	agaaccacag	aggagagagg	tgggagcctt	cggaggttgg	agtagtgtca	7620
gggttttgtt	gctgttgggt	gtgttgggtg	ttgtgggtgt	tgtgtgtgtg	tgtgtgtgtg	7680
tgtgtgtgtg	tacagagaat	ggcttttgaa	cagactagga	gatggcgctt	gtctcttatg	7740
ctccctgcag	cactcagcaa	gatcctagct	cttttagatc	cctcaccaat	gtgcagtggg	7800
agctccagaa	tttcagtctg	aggactcgga	gggctattct	tggagctccg	tttgcatagc	7860
aaacacagct	ttcacttggt	tattccaggg	attggaaagt	ttcctgagat	gagagataaa	7920
ggccaatggg	aaataaaaatg	cctgcctagc	acgcacagga	ggttatcgga	agctatTTTT	7980
gtgtttgtga	tttttaattt	tccttgctat	agagaaaaag	tgtttcttcc	tcctccccct	8040
cctcttcttc	ctcctcttcc	tccttctctt	cttctctccc	ctcctcttct	ccttcttctt	8100
cttcttctct	tctgtcttct	gtcttctgtc	ttcttgatca	tgtctcatta	tgtagctctg	8160
gctggcctaa	actcactgtg	tagaccaggc	tgacgtcaaa	cccacagaga	tctgcctgcc	8220
tgccctctgcc	tcaagaataa	gacattcttc	ccttaaggga	aacagaaaat	ttctgttggt	8280
ttgcagggtat	gagaacaaaa	aagacctcca	taaccacccc	tttggttcc	tcagttgggt	8340
gtaatcattc	aatagttcc	agcaattgga	ataaaaagcat	gccacttttt	tcaaagtggg	8400
cattgtatga	aaccatgata	aacaataagt	aaattgtctg	ggctttctgt	gatatgatgt	8460
catcttatat	ccttttaaaga	gtaattggcc	aggctaggaa	gggcacacct	attatcctag	8520
cacttagaac	ccaggctagt	atctacttca	gttcttccct	tccttaggat	aacttcagga	8580
ccctaagatg	tggctgcttt	gtgttgatga	agtacttcag	gaatacagaa	gggcatgtag	8640
agaggacagg	ccagaccaga	gaaggcttcg	tagaagacat	ggaccatgag	taggagcttg	8700
cagactgaag	tagaaaattgg	aaagtcacag	ggcgaggaga	cagctgtgac	tgctgagagg	8760
agctgtagg	agccaaggct	ctgaagtggg	ggagcagcag	aggaaggagg	tttcttcaga	8820
ttcagagccg	gtgaggcagg	cttgtgtttt	caggaagtgg	tgggagtttg	gggggaggga	8880
ggatggagg	ttgaatgaaa	cgccattggc	ctcagcaggc	tcttgatcta	gggcctgtgg	8940
ggcaggagag	gaagctgagc	ttggcaacag	gatgtagggt	tgattagggg	agagaggcta	9000
gaggttgggg	agcagtcagg	aagcagcctg	gccatggtgt	gtgcagggac	aagagtctgg	9060
ccgtgggacg	atgggacgtg	agagaaaaga	cagcgtcgtg	ggagtgcctt	caccaagccc	9120
tcagtctgcc	ggaagatgag	tggactattg	tccttagagg	aagagtgacc	cactctaaga	9180
tcacgcagcc	agtatgaggc	aaagccaaga	ctcttgtcct	taagcatgcc	attgcaggag	9240
gggtccctaat	gatttctagc	aaggtgctgg	aaggaggaga	tcacagcagg	gattggggca	9300
gagcctctgt	actgtccact	ctggaggact	tagtcgatta	gagagggaga	tcatgaggag	9360
ggggtagttc	agggcagaag	gtgtgactgc	agccaaggac	tgagagatat	ggagaagtct	9420
gtcctcagaa	gaaaggtctg	ggcttagggg	actgactgaa	actagccctt	cgctgggcac	9480
cttatatggc	accacacacca	agaatcttgt	gagatgagtg	ggaccgtcac	tgggcagagg	9540
aagcgcaaca	gcttcacaca	gctgtcattc	ggtagagcca	ggattcaaac	tcgggtctgt	9600
ttgcttcagc	ctgagtttat	aggcaggacg	ttttatttga	agtgaagtat	tttactttct	9660
ttgactttga	cagataaact	cccttagggg	gtgcttgaga	tcaagcctag	gaagtgggtc	9720
atgtgaggaa	gggctgtgtc	actgagcctc	acctacagcc	caggaaactta	attaacctac	9780
ctttgaattg	ggagcgtgtc	tcttcccagc	tggcctaaag	ctgggtatagt	caaggataaa	9840
cttgaactta	aaaatatattc	ttttaacttag	ttttatgtgt	gtgggtattt	tgccctgcag	9900
catgtatgtg	cactgtgcac	gtgcctgggt	ccctcagaag	gaggcatcag	atctcccaga	9960
actgtattta	tggaccacac	tctgagctga	caaggagggt	ctgggaatcg	aaccttggtc	10020
ctctgggaga	gcagccagtg	tgcagagctg	ctaagccatt	tacagcccca	ccttgaactt	10080
ttgatgggac	cacttcaccc	gataggattg	tagatgtgtg	ctggcgcttc	tagttcttgt	10140
ggtgcagagg	cacccaaacc	agggctgtct	gcctctttga	caagcagggt	accaacctaa	10200
ctacatcttt	agtcagtttg	ttttgagaca	cattgtatcc	taaattggcc	tgggtcttct	10260
ggtaatcctc	ctgttttcagc	cccttgaaat	ctgggactat	gtgatatgt	acctatattg	10320
acttgatttt	atactttgta	caaagaagaa	gaggggaaag	aaactctgtc	atcccgtttc	10380
agatctccct	tgcctgtgtg	tggctgaggc	gagtttatga	tgccttcag	ggtttccaaag	10440
tcaccccaga	ggcttgggct	gaggtgtgtt	tgggtgattgt	taccttaggg	cagtgcacag	10500
tcagtgtgtg	ggctcagcag	gggtctgagg	tgaccacagc	cctcaccaca	gccttgccagt	10560
gccttccctt	ctcatttggt	atctgagttg	gtgggtgggt	ctccctagag	gaatcaggag	10620
gctaccctgt	gactttctgcc	tctaagatta	tctctgctgg	cctctgtttg	ataacacgtt	10680

gtgcccttct	tcctcatagc	tgctcacagg	aatctatatt	ttccttcatt	ccttcttaaa	10740
catcgattac	ctgagagcag	ccggcctcta	ttctgattgt	taagataaag	gccttagggg	10800
ttgtttacac	aggaaagggc	atttcaaggc	ctggtgagtc	attgggtaat	atttgactga	10860
gaggcacctc	tgggtgtatg	cacttagtgt	tctgtgactc	caagtaaaac	catccctccc	10920
gtatagttac	gtgtaaagtt	gagctctatt	tgcccatgag	tcccgcagtt	gttttagctc	10980
catttcaagc	cctgaatcag	gctttgggat	ttcctgactg	aatttttgca	gtagtctctg	11040
aactaatctt	gtagtctctt	tgccagtcac	cagactcctt	cacatcgccc	agagcagtc	11100
acctgcagcc	tccacaggct	tctccctcct	tctccacacg	gacacttgct	cgctctctct	11160
ctctccctcg	ctctctctct	ctctctctct	gtttttgtta	ttttctggct	ttttgttttg	11220
agatgaggcc	tcattgttgt	gtctagacga	ggctggctct	tttgttttgt	tttgggtttt	11280
tgtttgtttg	gttgggtggg	ttggggttgt	tttttttttg	ttttgttttt	tgttttccct	11340
aaacagggtt	actttgtata	gccctggctg	tccctggaact	cactctgtag	atcagggtgg	11400
cctcgaaact	atcatcttcc	tgcttagctc	ttttgactca	atcttgtttt	tctatttata	11460
tactcttata	tcttttagga	acttaacaaa	agtcccaaag	gccagggaac	taatccactc	11520
ctcctaatec	tttctcagtt	cctgctaaca	gtgagcactc	agtgagtatt	gttgggataa	11580
atgaaggaca	cttttgcatc	tacaggtcga	gagacctcta	cttgggattt	cctgactgaa	11640
ttgttgcagt	ggtctctgaa	gacaagggtg	gagttgaaaa	tctgggttac	agagaattcc	11700
ctttgggtga	gaggacaggg	aaaccgctca	agctgatgat	gagctgggtc	tgagcgatgg	11760
agaatgagac	tgggagactg	aatagtcaaa	gctcagaata	aaagatggag	gagttggctc	11820
agcagctaag	aatacgtact	gcccatgcag	agggcccagg	tatggtttct	agcaccacga	11880
caacaactta	aaaccatctg	tggtctcagt	tccagggggg	ctgatgccct	cttttaacct	11940
tctgggaaac	aggcatgcac	gtggtgcaag	tgcgggcaaa	tgcccataaa	ataacatctc	12000
aggatgacat	cactgctcct	gggagacagc	ctctcagtga	cttagggttt	gtatgagatt	12060
caccagtgtc	cttgtttgat	ggctgttttc	agtccatgac	agacctgtta	aaagaccact	12120
tatacaaagc	aatagctaac	ttctgtaatg	gttacagatt	attactgagg	taaaaaacag	12180
aatgcttgtg	ggtttgtttg	ttgtctgtct	ggtttttccc	cccataaatg	ctttggggaa	12240
tgagattcag	gttttctaga	aaagtccctg	atttacagtt	atgagccctg	gctgtttctc	12300
cagaggacct	aggtttagtt	tccagcacct	acatggcagt	tcacagctgt	aattccactt	12360
ccaggggate	tgacactctc	acatggacat	acatgcacct	cacatgtact	cacacacaca	12420
tacaaaacac	caatgcacat	gaaatgcaaa	taaattttta	aaaattattt	gtcttttgga	12480
tggagagagt	ggttaaaagt	acttaattgc	ttttattgaa	gacctagact	tggttcccag	12540
caccacatc	aaggtagctc	acaactgctt	ataactccaa	ttctagtgat	ggggtgtagt	12600
ggcacacgtc	tgaatcttta	gcattcagga	agtggagcag	gacagtgtga	agttagagac	12660
cagcctgaac	tccataagaa	gttacgggtc	ctagtgggag	gaaactcaat	ggctgtgcac	12720
ttgcctggca	cacttgagca	aatcctaaca	cctggccctc	tcccaaattg	tccaaatatt	12780
ttccattcca	atagttggca	gttaaaactat	ccagtgtgct	tcataactga	agttagatgt	12840
catttctcat	ggccctaata	tttaagttcc	aataattctt	ggtataaaat	gggaacaggt	12900
tgccctctga	ctgaccttta	gggaagtga	cccaggcccc	aggcaacccc	aggccagtga	12960
agtagcttca	tcagggtgga	cgtgaacctt	ctctctctct	ttttttgttt	gttttcttga	13020
gaaaggggtt	ctttgtgtaa	cagcccccgg	tgctttagaa	cttgctttgt	agaccaaagt	13080
ggcctggaa	tcaagagatt	cacctgcctc	tgcttctctga	gtactgggct	taaaggcata	13140
tatcatcagg	cctggcttga	gctaaccctc	cttgatagat	acattgaaca	catggaattc	13200
catcatccca	atgcatggta	gatatacaag	ggaaggaaa	gggaattatt	agtctcaaaa	13260
ttgataaatt	cctgataata	gtcacacctg	gtagcacaca	cctataatct	ctgtgctgct	13320
gaggttgagg	caggaggatc	atgaattcaa	ggtcagagtg	ggctacatag	tgagttccag	13380
gcaaagtctt	caaccattac	tacagggttt	gtcccccctg	accagcagca	tcagaattgt	13440
taaaaatgtg	aatcccactc	cagagccaat	gagttagaaa	ctttaagggg	gggatcagct	13500
cttttagggc	ttacaagcct	tataggtgat	cttagcttaa	gctctagtct	cctaaccact	13560
acaccaggtc	tctggttttt	aaagtgtgca	ggtgttgaaa	ttacctgggg	acctagagtc	13620
catgcccagg	gtgcttgcta	gagactggac	ccactgattt	ccatacgtca	agcatatgct	13680
ctattgaatg	acaccgtagt	cccctgcaaa	aggttttttg	aggctccata	ggtagttctg	13740
taatgcagtt	gtgtggcaat	gtagcttttt	tactcaaagg	atggctcctg	gaacacaata	13800

tcagcaggaa	gctgaggaga	aatacacact	attaatctta	ccccaggccc	actgaagcaa	13860
aatacacatt	taattagatc	tctgggtggc	tcttctgcac	cttgaagaat	gagaagccta	13920
tgctgggtta	gagaggaaca	gggggtgttac	attcatacct	gttcttgtcc	cacagatgag	13980
ccaaagaatc	acagcttcac	cctcactcac	cacacttcac	atattccata	gtgcgcatgt	14040
ggaaagcttt	cgggagctgt	ttctctttct	actatgtggg	tgggttcttg	gcaacaaaat	14100
ttggatcatc	ggtttggtag	aaggcctcta	cctgctgagt	catcttagtg	ttcttcttcc	14160
ttctttaagg	agagggttgt	gtgtagctga	ggctctgaaa	ttctatgtct	atagccaagg	14220
ataaccttgg	gttcctgata	ttttgcctcc	ctcttgagt	ctggctcttc	aggcatgagc	14280
caccgtgcc	ggttgatagg	gttctagaga	ttaaaccag	agctttgtgc	atactaggta	14340
agcattctac	cccactatgc	tacctggcca	gatcatattc	attatttatt	tatttattta	14400
tttcatgtat	gttgtatact	gtcactgaag	agggcatttg	atccccattg	cagatggttg	14460
cgagccacca	tgtagttgct	gggaattgaa	ctctgaacct	ctagaagagc	agtcagccct	14520
cctaactgct	gagccatctc	tcccgcctcc	atattcattt	tgtaaacatg	agaggtagca	14580
ctggttgaca	ggtagactgt	gttaaaactc	cactttttat	gtttaagag	gtgggtcagc	14640
tgtaagagg	gcctgaattt	ggttcagcac	cactatcagg	tggctcccaa	atgtctgtgc	14700
ctccgattcc	aagagaatcc	tgagcctcca	ggcttctagg	gtacctgcac	tcacattccc	14760
acacaatata	cataattaaa	aattataaaa	ttataacaag	ataaaaaact	tcagggtctta	14820
gcttgaaatc	aaaagcacat	tcattcagtc	aaatctttga	atatatacca	catagagctc	14880
ttaagcagaa	ctcaccctac	actgtaaaat	ggacagtagt	catgaaactg	ataactgaat	14940
tcattgctgt	tttccagcag	ctgggactga	ggcagagcat	caatcgctcc	tggctcgctgc	15000
agcccatgta	ggttccttcc	accttgcttg	gatggctttg	agtgggtggg	gggctcctgt	15060
gagaatggag	aggacctggg	gtgggcatca	gaccagtatc	ctgatcactg	ttttagccca	15120
gtggctggaa	ccacagtgtt	gagacacagt	tgtgtgtcat	agacaattgg	caggactgag	15180
ccaactcaag	cttctgtcta	taagtaaact	atagtaacca	tccctgacta	cagggtgatta	15240
catctaagac	acactccact	ctaaacaccc	tccgtgtagc	acttcccaca	tacattcaca	15300
accatgataa	tgtttaattt	atgaattata	cattataata	actataagag	attgacagta	15360
aaggctacag	tagaaaaatt	ataacaatat	gttatactgc	aaacttattt	aacctggcaa	15420
atacctttat	tccaacactg	gggaggcaga	ggcaggcaga	cctctgtgag	ttcaaggcca	15480
ccctggctta	cataatgagt	tccaggatag	ccagggtat	gtagaaaaaa	aaaattagaa	15540
tctgtgagtt	ctggaatttt	ttttgttatt	ttgttttttt	tttttttgtt	tttttgtttt	15600
ttcgagacag	ggtttctctg	tatagccctg	gctgtcctgg	agctcacttt	gtagaccagg	15660
ctggcctcga	actcagaaat	ctgcctgcct	ctgcctcctg	agtgtctggg	ttaaaggcgt	15720
gtgccaccac	gcccggctga	gttctggaac	ttttatgtac	tgttttttgc	actttagttg	15780
actcagggtta	actgaaactt	taggaacgga	agcaggagat	aggggggact	attccaaagc	15840
acattggttt	atcttcatct	ttaacatcag	tttctctcgc	tcactctgaa	atgctttttg	15900
ttgtaggaga	gaaaggggcc	acagctaggc	tggaaatgca	caggctctca	ggagagccat	15960
aggaccatgc	tgtacacctg	agcctaaaga	atgtgttaag	gyggtggctg	gagagatggc	16020
tcagtgggta	agagcaactga	ctgctcttca	accacatgat	ggctcacaac	cacccataat	16080
ggcatctgac	acctctctct	ggtgcgtctg	aagacagcta	cagtgtacct	atttataata	16140
ataaataaat	ctttgggctg	gagcaaacag	ggactgagca	agcaggggca	accggagtga	16200
acgggactga	ccaggagcaa	gcagaggctc	taaaattcaa	ttcccaacaa	ccacatgaag	16260
gctcacaccg	catgaagctc	acaaccatct	gtacataagt	aaattaatta	ataactgtta	16320
gctcttaagt	gtaacagttc	aactgctgag	tggacagtct	ttggatagtt	ttgagaaaaa	16380
ctaaaattga	ggccagatat	tgtggcatac	tcccttaatc	ccaacactcc	agagacagag	16440
gcacatagat	ctctgagttc	aggtccagac	tggctctcat	cgagttccgg	gacagcctgg	16500
tctacagagt	gagttccagg	acagccaggg	ctacacagag	aaatcctgct	ccgttaatta	16560
ttaatgtgac	tatatatgta	tctatgtata	catacacaca	tatacttata	tgcacatata	16620
tttatatgta	ggaaaaataat	gtcagcacag	tttatcttta	accagccagt	tccccaacga	16680
caccaagaga	ctatgatcta	ctgaactttt	tttctttttt	tctttctctt	ttctctcttt	16740
cttttttttt	tttgtttgtt	tttgtttttt	tttttttgtt	tttttgagtc	agggttttct	16800
tgtgtagccc	tgaactgtct	ggaactcact	ttgtagaaca	ggctggctcc	gaactcagaa	16860
atccccctgc	ctctgcctcc	caaatgctgg	gattaaaggc	gtgcgccacc	actgcccggc	16920

ctatgcacag	cttaaaagca	cagtattgag	cagccattcc	tataaggtag	tctggatgtc	16980
ttcctgccaa	agtccccaca	acccttgcat	ttgggcgttc	tcgctccagc	agagcccttg	17040
gtacctcttg	gacccctcct	gtggttggtc	ttctacttcc	tctttccttc	ccctccccta	17100
gctgggatca	ggactctccc	tcacccagc	actgctggcc	agcgtttatt	gacaaggcag	17160
agaactaatg	ctgagcactg	tttatacaaa	caggaggccg	gagtttccca	acacaagcat	17220
tacaatgctg	ccctgtcccc	attgaaatga	agtagtgagg	tagaaaaacc	agcatttgga	17280
taacaagcgt	aaactttaca	cagtgtacaa	aatcatgctg	tcaggattgc	tcagaaaaac	17340
aaaaacaaaa	cgacaataac	aacaaagggc	aggcatgtgt	atgtaaatac	aattccagcc	17400
ctgaggaagg	agccctgggg	cttgctggcc	agccagccta	gcctagttag	acagacctag	17460
gccaatgaga	aatgggatct	caaagtgtgc	ctaaggaaga	gctgcaccag	tttgcttgcc	17520
ctcttgattc	cacatcacac	aatgttcttg	gtctgaactc	ttggctctgt	gattctaate	17580
aagcaaggta	gaaagggctg	cagaaatgac	taggggggta	agagcacttt	ctgttcttcc	17640
cagaggactc	aagttgagta	cccatgacca	cctgtaagtt	caactccagt	ggatccgatg	17700
ccctcttcag	gccactgagg	gcatctacac	aagtgtgata	tacacacagc	agagtaaaaa	17760
tagacacatt	tttatatacc	cctgaatata	aggaacagag	actaagaggc	tcacaagggt	17820
gggtttgctt	ggtgttgagg	tcaggaagaa	aacgccctct	gcaggctcat	agcaggcaac	17880
atgtggcata	aacagcattg	tagactgctt	cctggcaaca	tcctatgttc	tgacagtcac	17940
tagttcctaa	ggtatgtatt	tctttgggtg	tacgtagtgt	ctgtaggcca	ttacagcagc	18000
acatggttca	gtaaacagtc	tcacagggca	cagtgtagtc	caggtttggt	gttgttcttc	18060
atcaagcttc	atactcattt	tatgtgtatg	gctgttttgt	ctgtatgagt	atctgtacca	18120
agtgtgtgcc	tactgccaca	gaggccagca	taggtatcat	ctgagtttca	ggaagttagg	18180
agccactgtg	tgggtgctgg	gaatcgaaaa	tttaaaagaa	aaccccataa	catctgtgcc	18240
ccacacacat	gtcttaccce	cagaagcgta	agagggtatc	atgttcccag	cactggagat	18300
acagttgcta	gtcaccatgg	gattgctggg	aattgaacca	cagaccattg	aaagagcagc	18360
cagtgttctt	aaccactgaa	ccatccagcc	caatatccat	cttttttttt	ttttttttga	18420
gacaggacct	cagtggcttg	gagcttgcca	tgtgggatag	tctggctggc	cagtaactcc	18480
tagggatctg	ccgtctcttc	cttctcagc	actgacctta	caagcacaca	cctccacagc	18540
taggttttat	gtgggttctg	ggagtcaagg	ccaggctctg	gtgctgcccc	ggaagtacat	18600
taccaactaa	gccatctccc	agtcctcttc	attttcattt	aaagatgtgt	gtgtgtgtgt	18660
gtgtgtgtgt	gtgtgtgtgt	gtgtgagaga	gagagagaga	gagagagagc	gcacatgtgt	18720
ggagagcaga	ggacaacttg	ctggagctgg	ttctctcagg	ctatcaggct	tgggtggcaag	18780
caccccccat	ccatgcttta	tctttgtttt	tcttcttttc	agatttttgag	atacagagcg	18840
agaatgggga	gaactcaaat	gaagacatgt	ttgagggtgt	ggagtcccat	gggatgttct	18900
tgaacatctc	tggaggggaa	ggtggtcagc	agtctgatgg	ggacagtggc	tttgagagag	18960
actgtggctc	tggaggcgcc	cagggacatg	ccccgggtga	ggaccccagg	gtcgtgccc	19020
cggaaggaa	ggaagtgggc	cagctaatag	gccttcaggg	cacctacctg	ggtgagaagc	19080
cgtatgaatg	tcccagtggt	gggaaaactt	ttagccggaa	atcccacctt	atcaccocatg	19140
agcggaccca	cacaggagaa	aaatactaca	aatgtgatga	atgtgggaa	agcttttagtg	19200
acggctcgaa	ctttagtaga	caccaaaccg	ctcacactgg	agagaaggcc	tacaaatgca	19260
gggactgogg	gaagagcttt	agccggagtg	cgaaccttat	cacgcaccag	aggatccaca	19320
ccggcgagaa	gcctttccag	tgtgcagagt	gtggcaagag	tttcagcagg	agccccaacc	19380
tcctcgccca	tcagcgcacg	cacacagggg	aaaagccgta	ctcgtgcccc	gagtgtggca	19440
agagcttttg	caacccgttc	agccttaata	ctcacccagg	cattcacacc	ggagaaaaac	19500
cctaocgctg	caaggaatgc	ggcgaaagct	tcagttacaa	ctccaaacctg	atccgacacc	19560
agagaatcca	cacgggagag	aaaccataca	aatgcaccga	gtgcggccag	aagttccagcc	19620
agagctccgc	gctcattacg	cacccggagaa	cgcacaccgg	ggagaaggcc	tatcagtgcg	19680
gogagtgcgg	caagaacttc	agccgcagct	ccaaacctgg	cactcacccg	cgcacccacc	19740
tgggtggajaa	gcctgacaag	tgcgggctgt	ggcgcaagag	cttcagccag	agctccagcc	19800
tgatcgcgca	ccagggcacg	cacacccggg	agaagcccta	cgagtgcctc	acgtgoggcg	19860
agagcttcag	ctggagctcc	aacctcatca	agcaccagcg	gacgcacacc	ggcgagaagc	19920
cctacagatg	cggcgactgt	gggaagggtc	tcagccagcg	ctcgcagctc	gtgggtgcac	19980
agcggacgca	caccggcgag	aagccctaca	agtgcctcct	gtgtggcaag	agcttcagcc	20040

ggggctccat	tctggtgatg	caccagcgag	cgcaacttggg	agacaagcct	tacaggtgcc	20100
cggagtgcgg	gaagggcttc	agctggaact	ccgttctcat	catccaccag	cgcacccaca	20160
cgggagagaa	gccctacaga	tgcccggagt	gcggcaaagg	cttcagcaac	agctccaact	20220
tcatcacaca	ccagaggacg	cacctgaaag	agaagcttta	ctgaagtggc	agaaaaagaga	20280
aggaagtgct	gagctgactc	tgcaaggaga	ttgtatcagg	tcaggatgat	agatctccca	20340
gtcggagtca	tctgtaggaa	gtcggagccc	ttcagaacac	agtctgagga	agtatggcct	20400
gagactgatg	tcccgtctgc	tcttccattg	gttagaggga	cagtgactgc	caggaagagt	20460
gtcagcttag	atgtgtgtgc	ctgtgtgtgg	agcacacttg	gacacacaca	gttttatgtt	20520
tggaactcga	ggcctctgac	ctccagcagt	cccatcagag	tgaaaccgtc	gtgcgtgctg	20580
tgcaactgtg	acacaatcac	tcttgtactt	gtttgttccc	tgcataagta	cctgcaaaaca	20640
cccaacacac	acacacagag	tgtatgtatc	acatagaacg	caggctggcc	ttgaacttat	20700
gatgtagctg	aggatgacct	tgaacttctg	atcctcctgc	ctccaccttc	tgagtgtctga	20760
gattaccagg	aagtgcacac	gtggcgggtt	tatgttgggc	ttcaaatcaa	acctttgtgc	20820
atgccagggc	atcacactac	tgagccatat	cctcagtcoc	atacatcttt	cagtgtgtgt	20880
gtgtgtgtgt	tggtgtatgt	gtgtggtgtg	ttggtgtgtg	tgtgtgttgg	tgtgtgtgtt	20940
ggggtgtgtg	caggtactta	tgagccaggt	gattaacctc	cagtgtcatt	cctaaggcac	21000
tgttcacctg	ggagtttttt	tgagacagag	tctctcattg	aacctgggac	tgctcaggct	21060
cggctcctgg	ctagacagcc	tcaggaactg	cctctcctgt	gtgagggttc	caagcatgta	21120
cctccacaca	tgccattgag	cataggtgct	ggactgatct	gagagcctca	aacatttaca	21180
gtgtgtactt	gaccgattga	gctatctcat	atatttttaa	ctttatgtgt	gtggatctag	21240
cttactgccc	tgcagttttg	tataccaagg	gtgctctttt	taaggacgtg	tcaattttga	21300
gggtattaga	aatctcattg	tggggtctgt	gaaatggctc	agcgggttaag	agcaacttaact	21360
gctcttccag	agcatcacgt	ttcagttcca	gcacctgcac	gacagctccc	agccatgtga	21420
accttcaatt	ctaggaatct	gatgaccttc	tggtctctcat	tggtactctc	tgccacagggt	21480
gcagatacat	atatggcagc	caaaacacac	acacacacac	acacacacaa	atccttcaaa	21540
ataggaagga	aggaaggaag	gaaggaagga	aggaaggaat	tccttagtga	ggttttagtct	21600
tgaatcagga	gtttgctctg	cagaaccaga	tgtaatctta	gttactacca	accagggtct	21660
tatccttagg	atcccaaggc	gtgaaaggta	aagagaggaa	agctgactgg	agaagtgggtg	21720
ttactgttat	aaggagaggg	gagtagacgc	agaatctgag	aagtgtgaag	ctatcacctg	21780
atatttagga	ggtttatgct	tggaaggggc	tttcttttct	tttcttttct	tttcttttct	21840
tctttgtttt	tttgttttct	gagacagggt	ttctctgtgt	ggccctgaact	gtcctgggaac	21900
tcactttgta	gactaggctg	gactcgaact	cagaaatctg	cctgcctctg	cctcccaagt	21960
gctgggatta	aaggcgtgag	tcaccacgcc	tggtctggagg	gggtttttta	aaaagggggt	22020
tgactattgc	caagtggagc	cccattcttt	tcttgactgt	gcctttaaaa	aaaatcgggt	22080
tgagctatct	agttccgact	agcctatttc	tttttttttt	tttttaaagg	tttatttatt	22140
tactttacat	gtatacttta	tatgagtga	ctgtcactat	cttcagacac	accagaagag	22200
ggcatccgat	ctcattacag	atggtttgtga	gcccacatgt	ggttgcgtgg	atttgaactc	22260
aggacctcca	gaaaagcagt	cagtgcctct	aaccactgag	ccatctctct	agctccacaga	22320
ctagcctatt	tctaaacctc	ctatctcagc	ctcttgagtg	ctgggattac	atacatgtct	22380
gggtttccat	ggccagctcc	tgagtcttat	cctctaatgt	gtattaaaaa	cttgaacttg	22440
gcoaggtata	gtggtgtgtg	ccttttagtgt	cagcaactcag	gagcctggag	caggcagagc	22500
tczatgagtt	caataccata	gagaactcac	atagttagtt	ctaggatagc	cagggttaca	22560
tagtgagacc	caggggaaaa	atataacctc	accaagacta	ttagcaaac	tttccctcac	22620
ttccatatcc	tatccacctc	ccactgcagg	cgggaaataa	cctaagaact	tcaggaagga	22680
aaaattagtt	gtttcaaaaga	cctgggctgt	ggtggcacac	acctaatcct	agcaactggg	22740
aggaagaggg	aggtggattt	ctgagtttga	gcccagaact	gtctacaaa	tgagctccag	22800
gacagccagg	gctaaatagg	aaaaccttat	ctagaaaaaa	caaaagcagaa	agaaatggag	22860
gacagataga	cggactgaca	tattattggg	ttagattctt	atcaactgtg	tttgtgaacc	22920
atccatcatg	cttgtcaccc	aagccagggt	tggtgcctca	tgcttgtcaa	cccaacactt	22980
gggaagcaga	ggtaggaaaga	tcacaagttt	gaggccagtg	tgacctgtaa	gtccaggcca	23040
gctttcggca	cctgtcttgg	catggcacat	ctggctaaga	aatgagagaa	cactgcgaat	23100
catctctagt	cagactcagt	taatgtagac	agcagggaag	ttcttggcag	tgatgggtgga	23160

ctgtggagcc	agctaggtgg	ttaggctggt	cattgattct	atcccttggc	ttattttaata	23220
aaggatgcag	tgtcattgct	gtgctcaatg	ttaggaaact	ataaagtcct	attaggtgcc	23280
agataacaga	gacttgggtg	caccccgaa	ggtagcaggag	ctcctgtcag	aaaggcagca	23340
tagctagaat	agttttctcag	ctgacattaa	gtctcccgtg	tagcccacac	tgggtcttaag	23400
caaagggaca	gaacgtaccg	tgccaagcct	tctgcctctg	cttcccaggt	actggcactg	23460
cagttttata	tgccaccatg	ccatctcctt	tcacacgtta	atccactcta	taacttttagc	23520
ctgagacagt	ccccttgctt	taaagatcct	actgagatat	gacagataaa	tacataaaaag	23580
tgtgcagctt	gccttagttt	cacaagctgc	acacacttaa	acaagcagca	cccagatcca	23640
gaaacaactg	agcatcgata	accagatgtg	ccaccttgta	cctgccttaa	gtttatgggtg	23700
tggtagagcc	tggggggcct	ctcagacctg	gttctaaaca	gacttgtgtt	gcacagatct	23760
gcttttacta	tacagttgag	tcaagtcata	gtgaggcggc	ctctccatgg	aattctatgg	23820
aattctacat	ttatggttcc	caatgccata	gtagcttcta	gtgtgagcga	aaggtacaaa	23880
gctatgctct	tactgtcctc	tctctcagtg	acaactccga	ggtaagtaag	cagcctcact	23940
ctagggacag	actggagacc	tgggggtgtg	ggcaggtcca	tcattagcac	ctgctcatcc	24000
tgtgggcact	tagctacatt	gtactagttt	cttttaaaatt	tttatttttg	ctttttttta	24060
tatgaggcaa	agtctaggag	tatagcccag	gctggcctca	gatttgtaga	tctcctgtct	24120
cagcctctta	cactgggcat	tccaatttgt	tattaaagct	gtaagaaagg	acatgggtggc	24180
caggctgtgg	tagtgcattg	ctttaatgcc	agcatgtgga	aggtagaggt	cagtggatct	24240
ctgtgagctc	aggcagacaa	cctcagctca	gtcccttggg	cccatatagt	gagagaagaa	24300
agccagctcc	cagatgtcgt	cctctgacct	cgcgtgtgc	accactgtac	acattctcta	24360
cccaccatgt	aaaatgttta	agtttcaaaa	gccaaagcaa	agcacaagac	actaagaaga	24420
acagggatga	aaggaatgga	tagtaaaaag	tggtagatta	gctagattta	aatctttttc	24480
tagctagcag	gattggcaat	aactgattag	tccttgcaag	ttaacaacca	tcatttttcc	24540
tggcccttta	cccctgactg	gggctgggag	gggctggagg	gggtagagag	gggtggggagg	24600
ggtaatcgct	accctctaac	cagctccata	gcccagctgc	cttggtcaac	ccactctctc	24660
acgtgggttg	ggagatcttt	acatggatgt	cccttaagta	gaccttttca	gatctttggg	24720
taaaatatac	atctttcttt	ctttctttct	ttctttcttt	ctttctttct	ttctttcttt	24780
ctttctttct	ttctttcttt	cttctgtctt	gtctttctta	tttatttatt	tatttaattt	24840
tatttattta	tttatttatt	tattgtatat	gaatacactg	tagctgtctt	catgctgtcc	24900
agaagagggc	attggacccc	attacagatg	gttgtgagcc	accatgtggc	tgctgggaat	24960
tgaactcagg	acctctagaa	gagcagcctg	tgcgcttaac	tgctgagcca	actctccagt	25020
ccaaaatatg	catctttcac	ttttgcactt	ctgataaaat	taccccaaag	ccatgggaag	25080
aatgagtgtg	tgattttgtg	aatgaaggag	aggagttagg	acagagatga	attccctttg	25140
gttttccaca	ttccctaccc	gagccccttg	tagcctaggt	ctggagtctt	ttggtaacct	25200
gaacaaaggc	tgtcacccctg	gggctgtctt	gtccttgggt	ttctctctac	tgctcacacc	25260
ttgatgtctc	aactctgagt	tgaacatctg	cttgaagctg	ctgtgggaga	aaggctactg	25320
agggaaaggg	ctcactgcag	gggacagttt	gccagtcct	tcctccacag	cttgctgtga	25380
accctgtcaa	aggagaagcg	ctctgtcaac	tgcccaaatg	ccct		25424

<210> 20

<211> 2094

<212> DNA

<213> Mus musculus

<400> 20

gttgtttctt	gttgagattg	gaggaaagac	ggccttctca	gagagcctga	ctggagacag	6)
gtgttaggct	tgaagccttc	gtgaccatcc	aggaagttgg	acaatggcag	ccgaagtgc	12)
agcagtgagc	actccctcca	gccctttggg	tcaggtacct	caagaagaag	atgaacaggg	18)
agaggtcacc	actatgatcc	tggaggatga	cgcgtgggtg	caggaagcag	tgctgcagga	24)
ggatggccct	gagtctgagc	cctttcccca	gagtgtctga	aaaggcagcc	cccaggagga	30)

ggacgcagcc	gagggacccc	aggggtgctct	tgteccgattt	cgggagctct	gtcggcgctg	360
gctgaggcca	gaggtgcaca	ctaaggagca	gatgctaact	gtgctgcca	gagaaattca	420
ggcctggctg	caagaacatc	ggcctgagag	cagtgaggag	gcagtggccc	tggtggaaga	480
cctgaccag	acttttcggc	acagtgtatt	tgagatacag	agcgagaatg	gggagaactc	540
aaatgaagac	atgtttgagg	gtgtggagtc	acatgggatg	ttcttgaaca	tctctggagg	600
ggaaggtggt	cagcagtctg	atggggacag	tgactttgag	agagactgtg	gctctggagg	660
cgcccaggga	catgccccgg	gtgaggaccc	cagggtcgtg	ccatcggaag	gaagggaagt	720
tggccagcta	ataggccttc	agggcaccta	cctgggtgag	aagccgtatg	aatgtcccca	780
gtgtgggaaa	acttttagcc	ggaaatccca	ccttatcacc	catgagcgga	cccacacagg	840
agaaaaatac	tacaaatgtg	atgaatgtgg	gaagagcttt	agtacgggt	cgaactttag	900
tagacaccaa	acgactcaca	ctggagagaa	gccctacaaa	tgcagggaag	gcgggaagag	960
cttttagccgg	agtgcgaacc	ttatcacgca	ccagaggatc	cacaccggcg	agaagccttt	1020
ccagtgtgcc	gagtgtggca	agagtttcag	caggagcccc	aacctcatcg	cccatcagcg	1080
cacgcacaca	ggggaaaagc	cgtactcgtg	ccccgagtgt	ggcaagagct	ttggcaaccg	1140
gtccagcctt	aatactcacc	agggcattca	caccggagaa	aaaccctacg	cgtgcaagga	1200
atgcggcgaa	agcttcagtt	acaactccaa	cctgatccga	caccagagaa	tccacacggg	1260
agagaaacca	tacaaatgca	ccgagtgcgg	ccagaagttc	agccagagct	ccgcgctcat	1320
tacgcaccgg	agaacgcaca	ccggggagaa	gccctatcag	tgcggcgagt	gcggcaagaa	1380
cttcagccgc	agctccaacc	tggccactca	ccggcgcacc	cacctggtgg	agaagccgta	1440
caagtgcggg	ctgtgcggca	agagcttcag	ccagagctcc	agcctgatcg	cgcaccaggg	1500
cacgcacacc	ggcgagaagc	cctacgagtg	cctcacgtgc	ggcgagagct	tcagctggag	1560
ctccaacctc	atcaagcacc	agcggacgca	caccggcgag	aagccctaca	gatgcggcga	1620
ctgtgggaag	ggcttcagcc	agcgtcgcga	gctcgtggtg	caccagcgga	cgcacaccgg	1680
cgagaagccc	tacaagtgcc	tcatgtgtgg	caagagcttc	agccgggggt	ccattctggt	1740
gatgcaccag	cgagcgcact	tgggagacaa	gccttacagg	tgcccggagt	gcgggaaggg	1800
cttcagctgg	aactccgttc	tcatcatcca	ccagcgcata	cacacgggag	agaagcccta	1860
cagatgcccg	gagtgcggca	aaggcttcag	caacagctcc	aacttcata	cacaccagag	1920
gacgcacctg	aaagagaagc	tttactgaag	tggcagaaaa	gagaaggaag	tgctgagctg	1980
actctgcagg	gagaactccc	acagtgtccc	tccccacaa	cctcccccca	caacccccct	2040
cccccccgcc	cgtgttgtcc	ctttaaaaga	accacttttc	ctaaataaaa	aaaa	2094

<210> 21

<211> 1845

<212> DNA

<213> Mus musculus

<400> 21

atggcagccg	aagtgccagc	agtgagcact	ccccccagcc	ctttggttca	ggtacctcaa	60
gaagaagatg	aacaggcaga	ggtcaccact	atgatoctgg	aggatgacgc	gtgggtgcag	120
gaagcagtgc	tgcaggagga	tggccctgag	tctgagccct	ttccccagag	tgctggaaaa	180
ggcagccccc	aggaggagga	cgcagccgag	ggaccccagg	gtgetottgt	cagatttcgg	240
gagctctgtc	ggcgtctggc	gaggccagag	gtgcacacta	aggagcagat	gctaactgtg	300
ctgccaaagag	aaattcaggc	ctggctgcaa	gaacatcggc	ctgagagcag	tgaggaggca	360
gtggccctgg	tggaagacct	gacccagact	tttcgggcaca	gtgattttga	gatacagagc	420
gagaatgggg	agaactcaaa	tgaagacatg	tttgagggtg	tggagtcaca	tgggatgttc	480
ttgaacatct	ctggaggggga	aggtgggtcag	cagtctgatg	gggacagtga	ctttgagaga	540
gaactgtggc	ctggaggcgc	ccagggacat	gcccgggtg	aggaccccag	ggctcgtgca	600
tccgaaggaa	gggaagtggg	ccagctaata	ggccttcagg	gcacctaact	gggtgagaag	660
cgttatgaat	gtccccagtg	tgggaaaact	tttagccgga	aatccccact	tatcaccat	720
gagcggaccc	acacaggaga	aaaatactac	aaatgtgatg	aatgtgggaa	gagctttagt	780
gacggctcga	acttttagtag	acacaaaacg	actcacactg	gagagaagcc	ctacaaatgc	840
agggactgcg	ggaagagctt	tagccggagt	gcgaacctta	tcaacgacca	gaggatccac	900

accggcgaga	agcctttcca	gtgtgccgag	tgtggcaaga	gtttcagcag	gagccccaac	960
ctcatcgccc	atcagcgcac	gcacacaggg	gaaaagccgt	actcgtgccc	cgagtgtggc	1020
aagagctttg	gcaaccggtc	cagccttaat	actcaccagg	gcattcacac	cggagaaaaa	1080
ccctacgcgt	gcaaggaatg	cggcgaaagc	ttcagttaca	actccaacct	gatccgacac	1140
cagagaatcc	acacgggaga	gaaaccatac	aaatgcaccg	agtgcggcca	gaagttcagc	1200
cagagctccg	cgctcattac	gcaccggaga	acgcacaccg	gggagaagcc	ctatcagtgc	1260
ggcgagtgcg	gcaagaactt	cagccgcagc	tccaacctgg	ccactcaccg	gcgacccac	1320
ctggtggaga	agccgtacaa	gtgcgggctg	tgccgcaaga	gcttcagcca	gagctccagc	1380
ctgatcgcg	accagggcac	gcacaccggc	gagaagccct	acgagtgcct	cacgtgcggc	1440
gagagcttca	gctggagctc	caacctcacc	aagcaccagc	ggacgcacac	cggcgagaag	1500
ccctacagat	gcggcgactg	tggaagggc	ttcagccagc	gctcgcagct	cgtggtgcac	1560
cagcggacgc	acaccggcga	gaagccctac	aagtgcctca	tgtgtggcaa	gagcttcagc	1620
cggggctcca	ttctggtgat	gcaccagcga	gcgcaattgg	gagacaagcc	ttacaggtgc	1680
ccggagtgcg	ggaagggcct	cagctggaac	tccgtttctca	tcattccacca	gcgcatccac	1740
acgggagaga	agccctacag	atgcccgag	tgccgcaaag	gcttcagcaa	cagctccaac	1800
ttcatcacac	accagaggac	gcacctgaaa	gagaagcttt	actga		1845

<210> 22

<211> 30000

<212> DNA

<213> Homo sapiens

<400> 22

tttgaagcca	aagccaggct	acacagagat	gaggctcctg	ggagggaaca	ggtgcagtcc	60
tgctcaggct	gcagtgtccc	tgggctacag	ctggacaagg	gctccctctg	ggtcacagcc	120
tctagggaca	gagtttgggg	caggttgact	gtctgatttg	taggactctg	gtgatgagct	180
cagctgggaa	actgtgtggt	aatgggaaga	gaatggtttt	gcttttccaa	atcatccacc	240
ctctgcatgc	tttgatccat	actggaactc	agtgtggaaa	cagtgccttt	gaacagccta	300
agcctaaact	ctgggctgtg	tgtccagttt	cctggcctcc	agcttagttc	actccttacc	360
ccgcccata	ctgataccag	atccatcctc	ccaaatatcc	tttcatcatg	ttacctccct	420
accacctcat	ggcaccttca	acacaacagg	aaatgtctcc	aacctcagcc	tggtattcaa	480
ggttctttct	gatgtggccc	acctctcacc	actccaccac	atctccctgt	gggccctgcc	540
aaactggatc	attttttttc	tatccatgag	ctgtgaactt	tcccacctcc	aaattgttgc	600
ttatactgtg	tccttctctc	gaatgttctc	ttctctcctc	tccccagtc	caaagtctat	660
agactgaatt	gggtctcccc	aaaattcata	cattggagct	ctgatctgct	atgtgattgt	720
atttggaaat	agagctctta	ggagataatt	aaagtctcgt	gaggaggagg	gagcagatca	780
agatggctga	atagcagcct	ccaccaatga	ttctccttgc	aggaaaatca	aatttaacaa	840
ctgtccacag	caaaaaagca	tcttcataag	aacaaaaaat	caggtgagga	ctcaaagta	900
ctggcttttaa	cttcatatcg	ctgaaagagg	cactgaggag	ggtgggaaag	acagtcttga	960
aacactgatg	tcacccctcc	cccatccctc	agcagtggcc	gctgtggtgc	tgagagaatc	1020
tgtgcacttg	ggagagggag	aatgcagcaa	ctgtgggact	ttgcaactgaa	ctcagtgtctg	1080
ccctgtcaca	gcagaaagca	aaaccagggtg	gaactctcat	gacacctgcc	catggaggga	1140
gcatttagac	cagccctacc	cagaggactt	cacctatccc	agtagttagg	aggcttgagg	1200
cttgggtttt	gacaagcctt	ggcatggcag	gctatcatgc	tctggggccc	taaataaaact	1260
ttcaagccag	tctagaccat	aaggacttca	actcctagtc	aattccta	gccatgctgg	1320
gctcagagcc	agtggactcg	gggcacacaa	cctagagaga	caccaggcaa	gggagccaa	1380
ggagggtttg	caccacctct	cccccaaccc	caggcagcac	agcttgcagc	aacaaaagt	1440
acttcttctc	tttgcttgag	gagaggagg	ggaagagtaa	agaggacttt	atcttacatc	1500
ttggatacca	gctcagccac	agtaggatag	agcactagtc	agagttgaga	ggcctccatt	1560
ccaggacgta	gctcctgaat	tacatttcta	gatacacctc	gggcagaga	ggaacctgct	1620
gcttgaagg	aaagaaccca	gtcctggcag	gattcatcat	ctgctgactc	tagagccctt	1680
ttgacccaaa	taacctgcag	tgataccacg	gtagtatgct	atgggccttg	agtaagactc	1740

tgaggcatgc	tggcttcggg	tgtagaccca	gcataatccc	agctatgggtg	gctgtgggtga	1800
gagacttctt	ctgcttgaga	aaagcagaga	gagatgcaca	agggactctg	tcttgcagct	1860
taggtacctg	cctggccaca	atgtggtaga	gcatacaatg	ggctcttjtg	gtcactgatt	1920
ctaggccttg	gctcttagac	agcattttctg	gacctgctct	gacctcacc	tgaaggggtga	1980
gtcccaggcc	tggaagcatt	caccacaagc	aactgaagag	cccttggggcc	ctaagtgaac	2040
atagccagta	gcttggcagt	actcgctgtg	ggcctgtggg	ggtggccaca	gggtgaggct	2100
cctctgcctg	tggaagggg	aaggaagaat	gggaaggact	ttttcacatg	gtttcagtgc	2160
cagttcagcc	accatagact	aaagcaccag	gtaaatttct	gaggtttttg	actccagtcc	2220
ctggctccca	gacagcatct	ctggacccgc	cagggcctga	gggaactcat	tggcctgaag	2280
ggaaggacac	aaacatggct	ggctttgcc	cctgctgact	gtagagccct	aggccttgag	2340
tgaacatagg	ggatagccag	gtagtgttta	cagcaggctt	tgagtgagac	ccagtgcctt	2400
gctggcttta	ggtctgatcc	attgcagtcc	cagtgggtgt	ggccataggg	atgttgtgtc	2460
agcccacccc	tagctccaag	tggctcagca	gagagagaga	gactgagact	gtttgttttg	2520
gagaaatgac	aggtagagga	taagaatctc	tgctgtgtag	tccagagaat	tctagatctt	2580
acccaagacc	accaaggcag	tacctctatg	agtctgcaag	aaccatagca	ttactgggtt	2640
tggcgtgtcc	cctaatgcag	atacagttta	gatcacaaga	cccacatcct	tcaaatacct	2700
ggagagccct	ccaaggatg	ggtacaaaaca	accccagact	gagaagacta	caataaatac	2760
ataaatcttg	aatgctaagg	cactgacaaa	caactgcaac	catcaagacc	atccaggaaa	2820
acatgacctc	accaaacaaa	ctagaggggc	gaatcctaga	gaagcagaga	taagtgcct	2880
ccagacagat	aatttaaaat	agcagttttg	gggaaactca	gagaaattaa	agataacaca	2940
gaaaggatcc	agaattctat	aagataaatt	taacaatgag	attgaaataa	aaagaatcaa	3000
gcagaaattc	tggagttgaa	aaatgcaatt	gacataatga	agaatgcac	agtctcttaa	3060
ttgtggaatt	gatcaagcag	aagaaaaaat	tagtgagctt	gaagacaagc	tatttgaaaa	3120
tatacagtta	gagaagacaa	aaaaaatttt	tttttaatga	agcatgccc	cgaaatctag	3180
aaaacagcct	cagaagggca	aagccaagag	ttattggcct	taaagaggaa	acagagaaat	3240
agaaagttta	ttcaaaggga	taataacaga	gaactttcca	aacctagaga	aagctataaa	3300
tattcaagta	caagaagatt	atagaacacc	aagcagattt	aacccaaaga	agactacctg	3360
aagacattta	atactcaaac	tcccaaagg	caaggataaa	gaaaggatcc	taaagcagca	3420
agagaaaaga	aacaaataac	atacaatggg	actccaatac	gcctggcagc	agactttctg	3480
tgaaaaacct	acatgccagg	agagagcagc	atgacatatt	ttaagagctg	aaggaaaaaa	3540
cttttaacct	agaataacat	atccagtga	aatgtccctt	gaacatgaag	gagaaataga	3600
ctttcccaga	caaacaaaag	ctgagggatt	tcatcaacac	cagacctatc	ctacaggaaa	3660
tgctaaaggg	acatcttcaa	tcagaaaacga	aaggacatta	atgagcaata	agacatcatg	3720
tgaagttaca	aaactcactg	gtaatagtaa	gtacacagaa	aaacacagag	tattataaca	3780
cggcaattgt	gaaacaactc	cttaagtaga	acgactaaaa	gatgaaccaa	acaaaaatag	3840
taataagta	aacaacttct	caagacatag	acagtgcatt	aagatgtaag	tagaaatagc	3900
aaaaagttta	aaagcaggac	aaattaaaat	agagttttta	ttagttttct	ttttatttgt	3960
ttcattgttt	atttgtttgt	tcctttgtgc	aagcagtgc	aagttgtcat	cagtttaaat	4020
aatgggttat	aagatggtat	ttccaagcct	catggtaate	tcaaatttaa	aaatatgcaa	4080
taaatacaca	aaacacaaaa	agcaagaaat	taaatcatat	taccagagaa	aatcaccttc	4140
acaataaggga	agacagaaaag	aaaagaagaa	agagaagacc	acagcaacca	gaaaacaaaa	4200
tggcaagaat	aagtcaatac	taacattgaa	tgttaatgga	ctaaactctc	caatcaaaaac	4260
tgttatggaa	agaactgtta	tggagcagtt	ctccccatcc	ccacccacat	catttttcat	4320
caactctaga	tgagctaagg	gcccccaaat	gccttaggct	gagcattcct	tgggggtgagg	4380
tcccttcttg	ctcagagcct	aaagacaagt	agtgatattg	ttcttgcttg	tccagtgttt	4440
cctaacaggc	cttcagtctc	cagagtggag	aatctgcctt	tgtgtggggg	attagtaaga	4500
aaatctagga	gccacatcca	atcctctctc	acctgtgtgc	atccagggaa	tgtgcagtgtg	4560
acttagactc	aaccaaccaa	atgctctttc	cttgcatggg	agaattttgtg	tgagaaaggc	4620
ggagaaaacag	agatggctgt	agtaccacca	gaggtcatgg	gataggcaag	ctgaactttt	4680
tctgctcaga	gactgttatt	gtgggttttg	gggaactcct	ctttgtctct	tggctcctaa	4740
ctgtttctcaa	gcctgattcg	tcagctccct	tctactctgt	cagttccctg	acagtctttc	4800
agtaagtccc	ttttacttaa	gttagccaga	ttagttctta	agcttttaac	caagaatgct	4860

ttctggtgga	acagagcctc	tetccaccctt	gtgggtttggc	caatggagaa	aggactctct	4920
tgggggagca	accttgaact	tggctgtgtt	tccaggcttg	cttcgatgta	gcaggctggg	4980
cttagggtag	tggcttggct	accagggccc	ttctcagtag	gatcattatg	ccatgaattg	5040
gtcttaaagt	tgactttctc	tctgtctcat	gtaggatagt	tgacactggc	aaggaccagc	5100
ttcccagaat	cagacacaga	ggagacagct	tctttaggac	tctccagtga	caagctagt	5160
ccagttctgt	gggtcaaggg	tgacatgggt	taggaacaga	ggtaaataaa	cgcttgagct	5220
gctggaaaagt	tccatctgtg	catccccagc	ctccccctgca	tcttttcctt	tttgtgtaaa	5280
tttccattcc	tggtaaggat	ggacacatgg	agaaacccat	cttttttaat	acaatgtcat	5340
ccccaaaaaa	atcacttgga	gggtgtgtgg	cccagaattc	tgcattccagg	ggcttagtgc	5400
agacttctca	ggctggcctg	gaggtgtgtc	tatttgcattg	tggtcagtct	gggataataa	5460
agatgctacc	aggttattgg	ataagaatca	ctagctgaac	ttcactttgc	atctctgtaa	5520
ttggattcaa	gaggttaatt	agtgaaaaac	aggtgaattt	cacataatct	ttggagtggg	5580
gcagaggact	ttctaacaca	aaactcacag	gctataaaaa	gataagatta	acaaatttga	5640
ctgcaaaaaa	atttcaaatt	tctatatatta	ataaaccagc	agaaaacaaa	cagcaaaactg	5700
agaaagagta	gcaactgctg	tgacaaaagg	ataattttct	taatatacaa	agagctctta	5760
caaataaata	caatttataa	atgggaaaag	gaccgggcac	gtggctcatg	cctgtaattct	5820
cagcactttg	ggaggccaag	acggctggat	cacctgaggt	caggaattca	agaccagcct	5880
gatcaacatg	gtgaaatctc	tgtctctact	aaaaacacgc	aaaatttagcc	aggtgtgggtg	5940
gcgacgccc	gtaatcccag	ctacttggga	ggctgaggca	ggagaatcac	ttgatccgag	6000
atcgtgtcac	tgcactccag	cctgggagac	agaggaggaa	aaaaaaaaagc	agtcatttca	6060
ttgcagggtg	ctccagtaat	tgtcagtgct	aaacatacat	aactattcta	tcacagacca	6120
ttaaggggtg	ctctctccat	tttttagattt	tccgcttgag	tttccaggta	gtttctcacc	6180
tgttttcaag	cagggttggg	gcagccgttt	cttcaacagc	gccagccgta	aaacacaaaag	6240
atggaggcca	acctcccaca	cccgggcacc	ctcccttccc	ccatactgag	attgacaagt	6300
aagcaacccg	gtgatcagta	ctaaaatgga	gacgtcagcc	aggtgcgggtg	gctcacacct	6360
gtaattccag	cactttggga	ggctgaggag	gaaggatcgc	ttgagcccag	gggttcgagg	6420
tcagcctggg	caacatatgg	aaacctgtc	tctatgaaat	gtagatcctg	tctgtgagtg	6480
tgtgtgtata	aataaatata	tatatatata	tacaaataca	tacatatata	tatttaaaaa	6540
ataaaatggg	gacgtccaac	acgtgtacta	ggggcggtgt	ctctgcctgg	ggaggtgggtg	6600
atgacagggc	aggtctccac	caggagaagc	tggaagaatg	ggagttccgc	ggcagaggag	6660
gcggggcagg	gcgttccctc	aaacacagga	ataccacgtg	cgaaaacaaa	gggggtgtgcg	6720
aagaccgggt	gcatgtgtac	agctgcaaac	tgggggaaag	gcgccaggct	tgggcgatga	6780
ggatttgttc	ccccatggat	tcccttccctg	cccagggtcc	gctctcgcgc	gtcgagggtg	6840
cctaacaata	ctccttgcca	caaggttcgc	agccgaaaag	gtccttcaag	tccggccatc	6900
caactttcac	tttttataga	caaataataca	gaggccttag	ataagtgaag	cggtctgtct	6960
cgggttacag	ctctagccaa	cacagggttt	ctgacggta	gtctgoggat	tttccctgct	7020
ctggctccga	ggcactgccc	aggtgtgcag	ccccaaaacc	tactccgggg	accggggta	7080
ggttcgtctc	cgggcggaact	acatctccca	caatgccttg	ggcccagcct	cctctctgcc	7140
gcccggctgg	gtgcctgtct	caccaacaga	aaggcagaat	ttccagggcc	gttctcggca	7200
gccaatgagc	ggggcggtgg	gggggcctct	cccgctccatt	gttctcgggtg	ccccacgggc	7260
ttgagccggg	gtgaatctgg	aggggcgggg	ccgagcccg	gggcgctttc	gcacgcgaag	7320
caacggctag	agcaggacct	ggtctccoga	gaggtgagcc	ggagaggcag	gcctggagcc	7380
acggggaacc	cgggcagtag	cccgaggtga	gggaatagtg	ggcctggagc	cagctgcggg	7440
cagctctgtc	gggggagggg	cgtcgggggtc	gcgctccgta	tctcgggggc	cctgcagccc	7500
cgatttaagc	gcccgtctcg	ctcagcgaac	cgtcccgga	ggtctccct	ggcgagagag	7560
tctttgcctc	tctacccgag	aagcgcaggg	tttggacggg	aaggggcatt	cgaagacatc	7620
cgggcagcgg	tacacgtttt	acagatgggg	aaactgaggt	tcagaggggg	cgtgtcgtgc	7680
cccaagtcag	acggcaaat	agctgaacctg	gcacactttt	cccaggctcc	caagtaggaa	7740
gagttctctt	acaccatatg	ccagtatttc	ttctagtcct	ttgagtaaat	acacgttgag	7800
agcttcgggt	ttcccactag	cttttatttt	ttgtcctttt	ttttttaagc	ttttgtcagc	7860
ttttctcccc	ttttcattga	gggaggggtg	ttagttgagt	ctttatgatg	tagtaattgat	7920
tttttaaaaa	atttttttat	ttttgtagag	actgggtctc	actctgttgc	ccaggttggg	7980

catgaactcc	eggccctcaag	ccatcttccc	tccctcgccct	cccaaagtgc	tgggaattaca	8040
ggcgtgagct	acagcgcttg	ggctaaaaat	aattttgtat	tgcttttata	atatttttaag	8100
tgcgttgcaa	ttccactgct	ttcaatatatt	tgtaggtgcc	gtcccgttct	tttttccctgt	8160
gagttcattt	tttttttttt	tttttttttga	gacggagttt	tgcttttggt	gcccaggctg	8220
gagtgcattg	gcctgatctc	cgctcaccgc	atcctctgcc	tcccgggttc	aagcgattct	8280
cctgcctcag	cctccggagt	agctgggatt	acgggcattgc	gccaccacgc	ctggctaatt	8340
ttgttttttag	tagagacgag	gtttctccgt	gttggtcagg	ctgggtctcga	tcttccgacc	8400
tcagggtgatc	cgcccgcctc	aacctgccaa	agtgcctagga	ttacagggtct	gagccaccgc	8460
gcccggctgt	gagttcattt	ttaaaggga	ttgaggactt	actgtgtcta	tgggtttttct	8520
gccctgctga	ttttgtgttt	atccattatt	ttcctatcag	aaggattatc	ttaaatcatt	8580
aatgattaat	ctttgtcaat	ataattttta	aaatattaaa	aacatacagc	gtaatgtgca	8640
gatcttaaat	ttcatatggt	tgtctttgtg	cgcctattgc	caaatagaaga	tattgaaaat	8700
ttccatcacc	ccagaaggct	cctttgagcc	cctttcctgt	cattaccacc	taaaggtagc	8760
cattattata	gcacagtttc	ttttcttttt	tttccctttc	ttttcttttt	tttttttttt	8820
ttttgagaca	gagtctggct	ctttcgccca	gactggagtg	cagtggcacg	atctcggctc	8880
actgcaacct	cctcctccca	ggttcgggca	attctcctgc	ctcagcctcc	tgagttagctg	8940
ggattacagg	cgcccgtcac	catgcctggc	taatttttgt	atttttggta	gagacggggt	9000
ttcactatat	tggccaggct	ggtctcgaac	tcctgacctc	aagtgatccg	cctgccgagg	9060
cctcccaaag	tgtctgggatt	acaggcaacc	acgccaaagg	tatagcacag	tttctaatac	9120
atgctgctat	atgggtgtgt	catagtttat	tagccattcc	ctgctgctgg	atttttaagg	9180
actcgatttt	ttggttatatt	ttttaagata	aagtactgag	gggccgaggc	tggattggag	9240
agtatatgca	tgttttaaac	ttcatactta	aagtatggta	ataatgcagt	tgagatattg	9300
cctttcttcc	aaagaagctc	agagtgcctt	gacatctgat	ccattgctga	tccttaagat	9360
gcccccataa	aaacagaaac	atgagtgtta	ttatctttat	taggtgggtca	ccgagttttg	9420
tgactaagtt	gtatgttagg	tcaaggtcac	acagtgcagg	tcgaaactga	cttaggagag	9480
tcctcagtat	ttcagtcatg	ggtttttccc	ggggactttg	catttctgat	actcattctt	9540
tgggtgtttt	gaaggaacaa	tgtctgtatt	tttgtgcttg	ggatactttt	tttttttttt	9600
ttttgagacg	gagtctcact	ctgttgccctg	ggctggagtg	cagtggcgag	atctgtgctc	9660
actgcaacct	ccgcctcctg	ggttcaagag	attctcctgc	ctcagcctcc	caagtagcag	9720
gaactacagg	cccccgccac	cacgcccggc	taatttttgt	atttttaata	gaaatggggt	9780
ttcaccatac	ctcagggtgat	ccgcccacct	cgccctccca	aagtgtctggg	attacaggca	9840
tgagacactg	cacccagcct	tcttttaacca	cagagagatg	ttttcaggaa	taagccattt	9900
tttcttttaag	aagaacagga	aacgtctgtt	ggtttgcata	tgttaagggtc	acttgggtgt	9960
ctgacctggg	cttttgtgag	ttagattgct	ttaggacagt	ctacctatgg	attatggttc	10020
tcttttttgt	ttctcagcgg	gactacttgt	tgatatttga	ggagggaagt	gtcttaacctg	10080
agagcctggc	tggagaagac	tgagggtccaa	ggcttgaagg	ctaagtgatt	gccccaggac	10140
tgtggatgat	ggctgcagac	atcccagagag	tgaccactcc	gctgagctcc	ttggtccagg	10200
tgcccaaga	ggaagataga	caggaggagg	aggtcaccac	catgatcctg	gaggatgaat	10260
cctgggtgca	agaagctgtg	ctgcaggagg	atggccctga	gtctgagccc	ttccccaga	10320
gtgctggcaa	gggcggcccc	caggaggagg	tgaaccagggt	accacagggt	gcactcggcc	10380
gcctccgaga	gctctgcggg	cgctggctga	gaccagaggt	acacaccaag	gagcagatgt	10440
taacctatgct	gcctaaaggaa	attcaggctt	ggctgcgaaga	gcacgcggct	gaaagcagtg	10500
aggaggcagc	ggccctgggtg	gaagacttga	cccagacctt	tcaggacagt	ggtgagacgc	10560
agaacctcat	agggagagggt	cgggagcacc	cttccaaagg	agaggagtgt	ggtgtttcgg	10620
aggaggagaa	ggtggtgtcc	aaggcagagt	ggggggctag	cgccatccct	ctgctctgtc	10680
tgcaggcagt	cagcgtgttc	atcagcctct	tagtgtctcc	actgtgtgca	aagtacagctc	10740
cagaagtgtc	aggagggtcc	tagagctaca	tttgaattgt	aagcacagtt	tttacttctg	10800
tgtttatttg	gagtgggttg	gaaggtgatg	gaagtttaaac	gggaggagat	ggagacctcc	10860
ggcaccttca	cgtggtgtgtg	caagaaacat	ccaaatggtt	cttgcaatta	gagaaaaaca	10920
tctgatattt	tcaacatgac	ttttttttct	tttttctttt	tttttttttt	tttgaaacgg	10980
agtctcgtct	tgtcaccacg	gctgggggtg	agtggcacc	tcttggctca	ctgcaacctc	11040
cgtcttcttg	gttcaagcag	ttctcctgcc	tcagcctttt	gagtagctgg	aattacaggc	11100

gtgcgccacc	acgcccggct	aattttttta	tttttcgtag	agatggggct	tcaccatggt	11160
cgccagactg	gtctcaagct	cctaacctcg	tgatccgccc	acctcagccc	ccgaaagtgc	11220
tgggattaca	ggcgtgagtc	accacgcctg	gccccaaagt	ggttattttt	atgaaaccaa	11280
gagaaatgac	aagtaaacca	gctaataact	agggactttc	tgtggtataa	agtaatcctg	11340
ggctcttaaa	atcgtaattt	caaacttgag	ctctttgcaa	tagttactct	atttttttcc	11400
ggtgttacta	ataagtattg	ggattctggc	ttgccgttta	accgctgtct	cctcctgggt	11460
tttccattgt	aaagtagact	cacttgatga	ccaaatgttt	acttcagatg	tgccttgagg	11520
gctgtctcag	ggctcgaagg	atatggctgc	ctttgtgctg	atgaaaacta	cggaagttca	11580
gagaagggag	cgtggagagg	aaaggtcagg	tcagagaagg	cttcctggag	gaggtgacac	11640
ctaagcagga	ggttgtagaa	gggagtaggg	tgtggcagct	gagaggagct	gtgctgagca	11700
gaggcttgga	agggcagagc	cacgggtggt	tatacctttg	ggtgacagga	gagctggcag	11760
attggagtgg	caagtgtggt	tttaggaagt	ggtaggaagt	agagtttggg	ggaaggggtg	11820
gtgagggcct	ggactgaatg	ttttgcctca	gtgggttctt	gaactagacc	ccaagggggc	11880
atggaaggaa	gcgagatttg	gcaacaggat	gtaggtttga	ttagggtagt	gagaggctag	11940
gggcaggaga	gcagccagga	agctcccttg	tcttcagggt	tgcagtgatg	ggggctctgcc	12000
ccagatgggg	cacgtgtgag	aaagaactga	tagtcaccat	ggctagcact	ttccaagctc	12060
tttctgcaag	ccaggaaata	tgcttagcat	ctaatatgga	aaactcatgt	aatcttcacc	12120
accctggaag	ataagcagga	ttatcatcac	cagagatccc	ttaagatcat	gtgcctttgt	12180
accaggcaga	accaagattt	gaacttatgt	gtgtgaggac	atagcccatg	tttttaagcg	12240
ttgtcatatg	tatgattcta	agagacactt	cctagtgggt	gttggaagtt	ggggatgcag	12300
atggaattaa	gacagtgact	acagagcatc	tggcctggag	gattcagagg	actgggaaga	12360
gaagagaagg	aaactgaagg	ggattttggg	cagagactat	cacaaactcc	agggactggg	12420
tgaatgagta	gagctgtcct	ctggagaaag	ggactgacgc	cgaaggctct	cagtgaacca	12480
gccctgccct	gggcaccttc	atgcttgtct	cactaagaat	cctgtgagtg	gctggcattg	12540
tcatttcaca	gataggaaat	ataagtgcag	gaaactcaca	tggctgttga	gtgggtggagc	12600
caggattcaa	accagacct	gtctctttct	gcatggagat	ctcagttttg	cttgaagcaa	12660
agtgcctgat	tttctttggc	cctgaaaaaa	taactgcatt	ttattccttc	tattaaaata	12720
agcaaacctg	tctccctatt	ttacagctgt	agctgtcggt	gcttcccttc	cggtggagggt	12780
gaccagtttg	taatgaactt	ctggatctcc	agtcagatac	tatggaggag	agagtgatgg	12840
agggtgagg	agaggcctca	ggttggttatt	tgggtgggga	ggcacagagc	agaggttcag	12900
gtctcagcag	gtgtcagagg	tgattacagc	ccttcccata	caccttgca	caggggcttt	12960
gtgcctttca	tctttaactg	ggcacctgag	atgggaacca	atggggacca	ttccagacac	13020
atgggtttgt	ctgtccctga	cttctgcctc	tgagattgtc	tttggttggtc	tttggttaaat	13080
aaacgccccg	accttctca	tgattgtctc	caggagtccc	tgcgtttgtc	ttcatccctt	13140
ctcaaacatt	tactcgacat	aaggccgggt	gacctctatt	ctgtttgtcc	agcttatgac	13200
ctttggacac	attcacccag	cacaggatat	ttccaggcct	ggttagtcag	tggcggttta	13260
atgtttttct	gacaggaacc	tctgggcaat	caaaattcaa	gtaccttcta	attctaatga	13320
agatcggacc	tatatatta	gattaagtgg	cagagcttat	gtctctctgt	gactgtttcc	13380
agaggacatt	ttactctcca	taccagccc	taatccagat	gogtggagtt	tctcacctga	13440
attcttggag	cagctgcbaa	actgaacctg	tcttcagctt	ctgccccttc	atcccagctc	13500
ttccacttct	accagagtga	tggggcactc	ctgcttataa	accttcattga	gcttcccagt	13560
atctacccaa	tcaagcatga	cctccttggt	ctgcttggaa	tccgtggctc	tgtgggaact	13620
ggcccaaaac	tcccctgcag	tcttttccca	cccttgaccc	cccatgctct	atcccacact	13680
cattcagacc	agatcttgct	ctttcttgaa	cacagctgtg	gcttttggtt	ttgtttttgt	13740
ttttttgaga	cggctctttct	acgttcccca	ggctggagtg	cagtgggtgc	atctgggctc	13800
actgcaacct	ccacctcttg	ggttcaagtg	attctctctg	ctcagcctcc	caagtagctg	13860
ggattacagg	tgcgtgctac	cgtgcccagc	taatttttgt	attttttagta	gagacagagt	13920
ttcaccacgt	tggtcagact	ggtctcgaa	tcttgacctc	aggtgatcca	cccaccttgg	13980
cttcccaaa	tgtgtggatt	acaggcgtga	gcacccacgc	ctggcccttg	ctcctggatt	14040
tttggtttgg	aatagccttg	tcccctctct	gtgataaaat	cccagttggt	ctttgagtg	14100
ccaccctggg	agacctctct	cataaagctg	ctcttaaaac	ctgtcccttt	tcccacccc	14160
cagttccaca	cacctgggag	cacctctaat	cacctctgct	agaagtcgtc	tccccagaa	14220

catttgatt	ctctctcttg	gctttttatc	atagttcacc	ttcttttctg	tttatatgaa	14280
tacttgtctt	atttcttcta	ggaacctgta	aaatcctaga	agacaaggaa	cctgtctttt	14340
tcctttctct	ttcattcccc	ctcttccctc	tcttccaccc	tactccctct	tcctttccct	14400
ctcccttcag	tatcatgaac	ctcggagccc	cacctagaa	ctctgaatc	agacactttg	14460
agggtggctg	ggcgcaatgg	ctcacggctg	taatcccagc	acttgggtgag	gccgaggcgg	14520
gtggatcact	cgaggccagg	agttcgagac	cagcctggcc	aacatagtga	aacctgtctt	14580
ctgctaaaaa	tacaaaaaaa	atcagccagg	catggtggca	tgtgcctgta	atcccagcta	14640
cttgggaggc	tgaggcagga	gaatcgcttg	aacctgggag	gcggagggtt	tagtgagctg	14700
agattgcgcc	attgcactcc	agcctgggtg	acagcaagac	tctgtctcaa	aaaaaaaaaa	14760
aaaaaaaaaga	aactgagggc	gatgccccagc	attctaagtg	atcctgattc	aaactccaat	14820
ttgagaacct	ctgcactaga	cctctgtaga	cctctggttc	tcaaactcag	ccgcacatta	14880
gaattacctg	ggggcctgga	gcctactcca	gggattctaa	ttttctgatt	taattggtat	14940
ggggtatggc	ctgggcaagg	gagttttgaa	agtgccccagg	tagttctatt	atgctgcaaa	15000
gtgtaaagag	cactgccata	gagctttggt	cttcaggggg	tggtcagtgg	gccagcagca	15060
tcagctcacc	tgggagtttg	ttagactagg	actgtcagtc	tcaccaagcc	ccgctgaagc	15120
aaatttgcac	ttgacaagat	ctccagggtga	ttcctatgct	ctttgaagtt	tgaaaagcac	15180
taccaggag	aggaatagag	gttatcaact	tcaagcctac	tcttgtccaa	cagttgagtg	15240
aaagagtcac	agctgacctc	tccagccatc	ctcagcatca	tctggctttc	agccatcaga	15300
ggcaacagg	gatttgtttt	gagcttgctg	ccccagcaaa	atgctccctt	aatgaccaca	15360
aatgaacaca	tacattcatt	tgtctcagcc	agaaagggag	tggagagtgt	tacagcttat	15420
gtcttttttaa	agctacaatt	cttagcttca	aaacaaaatt	acttttatat	atatatatac	15480
acatatatat	ctatgatata	tatcatatat	gatatatgag	atatatgata	tatctcatat	15540
gatatatata	tgagagagag	acaaagtctc	actctgtcaa	cccaggctgg	agtgcactgg	15600
tgtgatcata	gctcactata	acctcgaact	cttggcctca	agtggctcctc	ctgttttcagc	15660
cacccaaagc	actgcgataa	caggaatgag	ccactgtgcc	cagcccaaaa	attaccttta	15720
atttactcaa	atgtttgaaa	agtataccgg	acagaattct	tagggagcgg	taacgttata	15780
cctatgaaat	gttttagcatt	catgtatttc	acctgataac	agtccattgc	tgtttttatc	15840
agcagttagt	ctttcaagca	gccagagttc	agggggaaca	atgctccag	tcccactggc	15900
ttgccagggc	agcgtcttaa	tggggagagc	cctagtgaga	atggagctgg	gcatacccta	15960
tatcagaacc	acttctctat	tttagaccag	tggctgagac	acaggggtag	gacacaatca	16020
ggcaggaagg	ggctggagaa	gaattttgag	ccaaacacac	accaaagcac	caaagactgt	16080
gaccagttta	tttcattggt	acagcaaagt	caggtctatc	ccctattgac	atgagtcttc	16140
cccattgttca	ttctgggtatg	ctctatgggtg	cgggagagaa	agaggaggcc	tgtggccagg	16200
cgaggacacg	cagggccctg	tgaacggcca	cgggaatttg	tgctgtgcac	gtgaggccag	16260
agctcacgtg	gcaagtgcga	gaaatacaag	gaccgttggc	tgagattgag	ctacgggtggc	16320
agcttttgtc	cactgacaga	taaggggaga	ggtcctgtgg	cccttcaggg	actgttccag	16380
tjaatgattt	ttggacagtg	gtcaaatcat	tttgaaaaaa	ctaaaatttg	atacctactt	16440
tgcagcttac	aaagaaatag	atccctgctt	tacaagttac	acaaaaatag	gtccagatg	16500
gattacagat	ctgtaataga	caggatctga	aatgacatgt	gagagaatat	ttttgtaate	16560
ttagcatgcg	ggaaggactt	tcatgtttgt	ttgacaggaa	cctctaggca	ctcacaattc	16620
aagtatgaag	tgtgaataag	caatacagaa	gtcatcaaa	ctagattgga	ctcaaaacag	16680
aagtctttct	ttctttcttt	ctttcttttt	tttttttttt	tttgagatgg	agtctcacc	16740
tgtcgccag	gctggagtgc	agtggcgcca	tctggcact	gcaacctcca	cctccagggt	16800
tcaagtgatt	ctcctgcctc	agcctcccca	gtaggtggga	ctacaggcac	ccaccaccac	16860
tcccggttaa	tttttgtatt	tttagaagag	atgggggttt	acctgtgtgg	tcaggctggg	16920
ctcaatctcc	tgaactcagg	caattcgccc	gcctctgctt	cccaagggtg	agggtattaca	16980
ggcgtgagcc	actgcaccca	gccaaaaag	aagtgtttca	tataaaaaac	gatactgtga	17040
atcaaaagac	agcatacaca	ttaggaggaa	atatttgcac	ccaagtctaa	tgtagcagat	17100
catgagtcaa	aatccttgat	ctacaagagc	ctctgcaaat	tcataagaaa	agtcacacaa	17160
atagaataaaa	aggtaaaaaga	tataaaacat	ttagaaatga	agaactaaaa	attatgaaaa	17220
tatgttctgg	ccagggtgtg	tggctcacgc	ctgttatccc	agcacttttg	gaggccaagg	17280
tgggtggatc	acgagggtcag	gagttcaaga	ccagcctgyc	caacatgggtg	aaaccccac	17340

tctacgaaaa	atacaaaaaa	aattagccgg	gcattgtggtg	gtgtgcacct	gtaatcccag	17400
ctactgggga	ggctaagtta	ggagaattgc	ttgaacccag	gagacagaga	tcacgccact	17460
gcactccagc	ctgggtgaca	gagcaagact	ccgtctccaa	aaaaaaaatt	tttttctttt	17520
taattagcca	ggcatggtgg	cacacaccta	tagtcccaac	tacttggggg	ctgaggtggg	17580
aggatcactt	gagcctggga	ggtcaagact	taagtgaacc	aagatccac	cactgcactc	17640
cagcctggga	gacagtgata	tactgtctca	aaaaacaaca	acaggccagt	cgtggtggct	17700
cacactgtca	tcccagcact	ttgggaggct	gaggtgggtg	gatcacctga	ggtcaggagt	17760
ttgagaccaa	cctggccaac	gtggtgaaac	ctcatctcta	ctaaaaataa	aaaaattagc	17820
tgggagtgat	ggcaggcgcc	tgtaatccca	gctactcagg	aggctgaggc	aggagattcg	17880
cttgaacctg	ggaggcagag	gttgccaaga	tgcgccact	gcactccagc	ctaggcgaca	17940
gagcgagact	gtctcaaaaa	acacaaaaa	aaacagaaaa	gcaagaacaa	caaaaaagtg	18000
gatgtctggg	ccatccagcc	tcttactcat	aagcctgctt	ccttagaagc	cgctcccta	18060
catctactca	tatccacaga	atgtgtcct	cttggcatcc	tggagtagcc	aaagccattg	18120
ctatcagtaa	aaaaattttt	ttttaattcc	cagctgccac	catctcctct	catctccatt	18180
cacaacgtgg	taagaatatt	atttttgtat	ctgacaaaaa	ccagtttctg	agttttcatt	18240
ttcttaattg	gccaccaata	aataaaggag	ggactcacct	gcccttgaac	gtgctctgct	18300
gtgtgctctg	gatctcatag	gggccagcct	ttctcaggga	gcctggaggg	ggccagggat	18360
cccttattct	tcccagctca	gtgacttttt	cccatttttg	aggcccttgt	cagtcagatc	18420
acctgaaggg	ccactctttt	ctgtcctgta	gaatgactcc	tgtgtctctc	tggctttaga	18480
gggcaacttg	tgaagaactg	ccaaccttcc	tttggcttcc	gctggatagc	agcgggtgtt	18540
gtaaagatag	gactggtctt	tgagcagtac	agtgaagggg	ttattgggccc	tggattctac	18600
tcagagggac	ctccttagtg	aggtttatga	tatttatgtt	atacagcaat	gtagaaatga	18660
ccttctaaag	gccaggagcg	gtagctcatg	cctgtaatcc	gagcactttg	ggaggccgag	18720
gcaggtggat	cacgagggtca	ggagatcgag	actatcctgg	ctaacacggg	gaaaccctgt	18780
ctctactaaa	aatacaaaaa	aattagccgg	acgtggtgtc	cgccgcctgt	agtcaccagct	18840
actcgggagg	ctgaggcagg	agaatggcgt	gaacccggta	ggcggagctt	gcagtgaacc	18900
gagatcatgc	cactgtactc	cggcctggaa	gacagagtga	gactgcgtct	caaaagaaaa	18960
aaaaaagggg	gaaatgacat	tgtaaccaaa	attgggggtg	ggaggaataa	ggtgggtttta	19020
taggatattg	tctttgattg	tcttgtatgt	aatacctggg	agttcaaaga	cttgacattt	19080
aaaagaagat	agccccataa	attaagtatc	gcacttaaaag	gctgccagat	tttaaagaaa	19140
ttctttcata	tgttcatcta	atagtttgat	gctgctattt	gggttttttg	ttttaacatt	19200
taaatcttag	atccattttg	gatttgctcg	tttctgggtc	cagcttgaat	ttttccattt	19260
gaattgaatt	tttccagttt	tccgtaacta	gtttctccag	catcatttat	tgtatgttgt	19320
gtctcttctc	catggattta	agaggccaac	cgtattgtat	gctaaaattt	catagtcatt	19380
atacagatta	tcttttctct	tctcttggcc	tgtctatttc	tgttccactt	gtattaaatt	19440
ctgaacttac	atatctattg	aatctatttc	tggagttttt	attttgttta	tttgggtctga	19500
ttgtctatta	atgttttaat	tattgagatt	tcataatgtt	tttgtttttg	tttttgagac	19560
ggagtctcgc	tctgttggcc	aggctggaat	gcagtggcac	aatctcggta	cactgcaacc	19620
tctgcctcct	gggttcaagc	aattctcctg	cctcagcctc	ccaagtaggt	gggattacag	19680
gcgcgccgca	ccacacccag	ctaatttttg	tatgggggtt	caccatgttg	gccagggtag	19740
tctagaaact	ctgacctcag	gtgattcact	cgctcggccc	tcccaaagtt	ttgggattac	19800
aggcgtgagc	cactgcaccc	ggccgagatt	tcataatgtt	ttaacatctg	acagagatag	19860
tccctctctc	ctccaatttt	agtcagtaat	ccttcttttt	tttttttttg	agatagaatc	19920
tcagtctgtc	acccaggctg	gagtgcagtg	gcacgatctc	tgctcactgc	aacctccacc	19980
tccctgggttc	aacgatttcaa	cgattctcct	gccttagcct	cccaactagc	tgggattaca	20040
ggcatgtacc	accatgcaca	gctcattttt	gtatttttag	tagagatggg	gtttccaccat	20100
gttggcacag	ctggtctctga	actcctgagc	ttgggatccg	cccaactctg	cctcccaaaag	20160
tgctgagatt	acaggtgtga	gccactgctc	ttggcctctt	tttttttttt	tttttttttt	20220
tttcagagac	agagtctcac	tctgtcaccc	aggctggaat	gcagtacgat	gatcatagtt	20280
tactataatc	tcaaaactct	ggcctcaagc	aatcctccca	cctcaggttc	ctgagttagct	20340
gggaactacag	gcaagtgcac	acacacccgg	ctaatttttg	tttttttttg	agagatgagg	20400
tcttggtctg	gttgcctcagg	ctggtctctga	actcctggcc	tcctgcagtc	ctctcacctc	20460

agccatccaa	agtgcctggga	ttgcaagcaa	taatcttata	tttttttagtg	tttattttttg	20520
caaacctcta	cttagctgca	tgctttacca	gttttaaatg	tgaattcttt	gaactcccag	20580
gttattacag	atgaggcaat	caacgaacat	atcctataaa	ccaccttatt	tctcccaacc	20640
ccagtttttg	ttagaatgtc	atttctacac	tgccgcataa	cattcacaag	ctctttaatc	20700
accccagttg	ccatggtagt	tttagtcttc	attctaaagt	taaattttatt	aggtgttcac	20760
ccctctagca	gtccattaat	ttgtgtatgt	tcaaagctgt	ttgcctatag	gtttataact	20820
gaaggacagt	tttgtcgaat	atagagaaat	cttttttttt	tcctgagata	gagtgcgcca	20880
ggctggagtg	cagtggcgcg	atctcagctc	accacgacct	ccacctcctg	ggttcaagca	20940
gttctcctgc	ctcagcctcc	ggagtagttg	ggattacagt	cacgtgccac	cacaccacag	21000
ctgaatatag	agaaatctga	aaccagttga	ttttctttcc	ccttgtaagt	gatttgatcc	21060
ttttgctggt	gtccactggg	cttactgtta	gccacctggg	gttagttttt	gttggcccat	21120
ggtgtaactt	tcacatgttc	ttatatcctt	acaggtttta	tctttaagta	ttagttcttt	21180
ttttttttga	gacggagtct	cactgtgtcg	cccaggctgg	agtgcagtgg	tgtgatctca	21240
gtcactgtta	acctccgcct	cccgggttca	agcgattctc	ctgcctcagc	ctcctgggta	21300
gtcgggacta	caggcatctg	tcaccacacc	cagccaattt	ttgtattttt	ttagtagaga	21360
cgggggtttca	ccatattggc	caggctgac	gtgaactgct	gacctgtgta	tccgcctgcc	21420
tcagccccc	aaagtccctg	gattacaggc	gtgagccacc	acgcctggcc	tttaagtact	21480
agttctattg	ctttgttttt	ttgagaactc	cagttatggt	tactgattct	ccttttgcc	21540
aacttctggt	tctatctttt	tgtttaagat	agggctctca	tctgtcacc	gggctggagt	21600
ccagtgggtg	aaatatggct	cactgcagcc	tctgcctcct	ggcctcaagc	aatcgctcct	21660
ccttggcctc	ttaagtagct	gggtctacaa	gtgtgtacag	ccacacctgg	ctaatttttg	21720
tattttttgt	agagatgggg	tgttgccatg	tttccctaagt	tgtcccaaac	tgctgggctc	21780
aagcaatcca	cctgtctttg	cctcccaaa	tgctgggatt	acagacctga	gccaacgcgc	21840
ctggccctct	gtcattcttt	ttaatccttt	taacctatct	ctttgtttcc	atttcctgtc	21900
attgctttct	tattttgggt	ctctttttcc	cattcttgga	atgggtgcttt	ccaagatgct	21960
tattcccat	gcgctccttt	tctgtgtgtc	ttcattttct	tggtgatatt	tcctcctctt	22020
cctgagttct	tctagtgtac	atttaatctc	ttcctgttgt	ctcaccatcc	cttcttcaag	22080
ctcttctctg	tggtatctct	ttataaaggc	agttgcctca	tttaattatt	tttatggatg	22140
gaaatgatca	cttttctcag	taatagtaat	tccttgggct	gggctccagc	ctataatccc	22200
aacacttttg	gaggccgagg	cagttggatc	atttgagggt	aggagtctga	gaccagcctg	22260
gccaaatagg	cgacacccca	tctctattaa	aaatacaaaa	acaatgagcc	gggggtgggt	22320
gtgtgcacct	gtaattccag	cttgtcagga	ggctgaggca	ggagaatcgc	ttgaacctgg	22380
gaggcagagg	ttgcagttag	ccaagatagt	gccactgcac	tccagcctgg	gtgacagagt	22440
gagaacttcat	ctcaaaaaaa	taaataaata	aataccttgg	attaatgtgc	gtgggtcaaa	22500
ggctctttcc	ttctctgctt	tcagaaaaca	gcttctctgg	tacatggctg	cctgtgtgta	22560
ttccagtttg	agcctcact	cctttgcctc	tctgaaccaa	agaagccagc	cctgcttacc	22620
ccagttccca	aacacaggaa	gtgattttct	gctgagctt	tctgagttct	gttccctccc	22680
accccagggt	tctccatgct	tattcatttg	atttccttcc	tcattgcttt	taccagttct	22740
gctgtttttg	gaagccctga	catgtatttt	ggtgcctaca	tatttttatct	tctgatctca	22800
ctgaaaaata	aattggattt	tacttgtttt	ccttgttgtt	tcagagctca	ttggagagct	22860
aaccagttct	gatttttaaaa	cagcaaaaaa	agccttatta	gctaattgtta	cctattccaat	22920
tactaaaaat	acccaaaaaa	atgttttttg	tcagtgttagt	ttgctaaaaa	ttaatcaggg	22980
tcttggcctg	caggttcttc	tagaagagag	atgctggcag	ggctctgtgc	tcaaaaactg	23040
ccaaaaaact	gtcttccggc	cagacatggc	agctcacgct	tataatccca	gcactctagg	23100
aggcggaagt	gggcaaatca	cctgaggttg	gaagttccag	acctgcctga	ccaaacatgga	23160
gaaacctgtg	ctctactaaa	aatacaaaat	tagccagcca	tgggtggcaca	tgcctgtaat	23220
ccagtttaat	tgggaggtct	aagcaggaga	attgcttgaa	ccgggggaac	agaggttgct	23280
gggagccagg	atcgcgccac	tgcactccag	cctgggcaac	aagagcgaaa	ctctgtctca	23340
aaaaagaaaa	aaaaaaaaaa	tgtcttccat	ggccaggcgc	agtggctcac	gcctctaate	23400
ccagcaactt	gggaggccaa	ggcgggcggc	tcacttgagg	tcaggagtct	gagaccagcc	23460
tggccaacgt	ggtgaaaccc	tatctctact	aaaaatacaa	aaattagcca	ggcgtgttgg	23520
cgtgcgcctg	tagtaccagc	tactcaggag	gctgaggcag	gagaattgct	tgaacctggg	23580

aggcggagct	tgccctgagc	caggatcgcg	ccactgcact	ccagcctggg	tgacagagtg	23640
agactccaaa	aaaaaaaaaga	ctgtcttgca	ggaagttgag	gaaacacaga	attcctgggt	23700
ctgccgagtc	agagtatacc	ttgtgcccct	tgtgcctgta	tctgtcccct	agtgatatga	23760
gggggtggggc	tggagggcaa	ttctgtgaac	ccacagatta	ccagcagcat	gtgtcagtg	23820
aagcatggag	tttaattata	tgccctgttt	caactttaaa	ggtgatctta	tggccaggca	23880
tgggtggctta	tgccatcat	cccagcactt	tgggaggcca	aggcaggagg	atcactcaag	23940
cccaggactt	tgagactagc	ctgggcaaca	tagcaaaacc	ccatctctac	aaaaatacaa	24000
aaaaattagc	tgggtgtggg	ggcatacacc	tgtgtaatcc	cagctacctg	caaggctaag	24060
gtgggagcgt	cacctgagcc	caggaagttg	aggctacagt	gagctgcat	ctcgctactg	24120
tactaccgcc	tccgtgacag	actaagacct	tgtctcaaaa	aaataaaaaa	taaaaataaa	24180
tgtgatctta	aattgactga	aggcaagagt	ggagcccagg	tccctgcctga	gaggggcatg	24240
tccaatttta	tcatgttcat	atgtaagagt	ttatattaac	ttacagaaaa	ttaattgagc	24300
atctaaccct	aaataaagtt	ttttagcttt	aataatagaa	atgtcactag	gagttcgagc	24360
gcgatagctc	acacctgtaa	tcccagcact	ataagaggcc	caggcggggc	gatcacctga	24420
ggtcaggagt	ttgagaccag	cctggccaac	atagtgaaac	cccatctcta	ctaaaaatac	24480
aaaaattagc	tgggcgtggg	ggtgtgcgcc	tgtagtccca	gctactctgg	aggctgaggc	24540
aggagaatct	cttgaactcg	ggaggctgag	gttgcagtga	gcctagatct	cgccactgca	24600
gtccaggctg	ggtgaccaag	tgagactctg	tcttaaaaaa	tagaaaaaag	tgcagctttt	24660
tttaggattg	aggtcaagag	ggaaatttcc	tccctcaggct	catcaagagg	acattgtgtg	24720
gtataaacia	tgtcatcaac	aacttcctgg	cagcattaat	gttcccaaca	gccattaatt	24780
tttttttttt	ttttcgagac	agagtcttgg	ctctgttgcc	caggccggag	tgcagtggcg	24840
tgatcttggc	tcaccaaagc	gtccacctcc	tgggttctag	tgattctcct	gcctcagcct	24900
cccaagtagc	tgggattaca	ggtgcctacc	accatgcaca	gctaattttt	ttgtattttt	24960
attagagacg	gggtttcacc	atgttggtca	ggctgggtct	aaactcctga	tctcagataa	25020
tctaccaccc	ttggcctccc	aaagtgcctg	gattacaggc	gtgagccacc	atgcccggtg	25080
tcagtcatta	atttctaatt	acacttctta	gagtgtcagc	cagggctatg	aagccaacac	25140
actattcagt	aaacacagtt	ctgccggggg	tcagaacagt	gtgatccagg	ctcagctctc	25200
tgctgctttg	gcctcatcct	cgggtagatt	ttacagtcct	tcattctaagg	aaggggctat	25260
gttcttctag	cagtcctccc	taatgatttc	ttttactcaa	atatttgggc	actggaaggt	25320
ttaacaagtt	cctggaagac	atattacca	ttaaagatct	attcatggct	gggcgcgggtg	25380
gtcacgcct	gtaatcccag	cactttggga	ggccgaggcg	ggcggatcac	aaggtcagga	25440
gatcgagacc	atcctggcta	acatggtgaa	accccgctct	tctaaaaata	caaaaaatta	25500
gccgggtgtg	gtggtggggc	cctgtagtcc	cagctactcg	ggaggctgag	gcaagagaat	25560
ggcgtgaact	ggggaggcgg	agcttgacgt	gagccgagat	cgcgccattg	cactccagcc	25620
tggggccacac	agcgagactc	cgtctcaaaa	aaaaaaaaaa	aatctattca	taagctccca	25680
ctgcagacaa	atttgagggc	tcttttaaca	atccagttaa	cttgccttca	gtcatttggt	25740
tacacaccta	gggtccttat	tgcacgggct	ctgtcatctt	tccgtgtgtct	aaatacaaa	25800
taatgcggtc	ataaacacca	gatacatggt	aatacaagaa	attattatat	aagctccttt	25860
tgaaaggaga	ctgagcttta	gggaaatgtc	tatggtacca	ataaaaaaac	tcattcatgc	25920
actcattaca	ttgaatcaag	caccaggcat	tatggtgagt	gtgggggtaa	ttgggttaggt	25980
accctgttta	tgtcctttta	aattcccacc	tgacctcatt	ttcagatgaa	gacacaggta	26040
gtggggacat	ggaacccaaa	tcttttaaggc	tttgaaatcc	tgggtgattg	ccacaaagat	26100
tatgaggcct	gacaaccagt	cagaatgaaa	taagcctggg	ttggtttttt	ttcttttttt	26160
ttccatcag	cttttaggtt	caggggtaaa	tgtgcaggat	gtgcagggtt	gtacaaaagg	26220
taaatgcgtg	ccatgggtgt	ttactgcaca	ggtcatccca	ccacctagggt	attaagccca	26280
gcacccatta	gtattctctc	ctgatgtctc	ccctcccccct	ccccccaggg	ccccagggtg	26340
tgttatttcc	ctccatgtgc	tcatgtgttc	tcttcattca	gtccctgctt	ataagagaaa	26400
agatgcagtg	tttggttttc	tgttcctatg	ttagtttgct	gaggataatg	gottcccaatt	26460
ccattcatgt	ccttgcaaaa	gatatgatct	cattcttttt	tttggtgtca	tagtatacca	26520
tgggttatat	gtactacatt	ttcttcatcc	aattctatcat	tgatgggcct	ttgggttgat	26580
tctatgtctt	tgctattgtg	aatagtgcag	cattgaaat	gtgtgtgcct	gtatctttat	26640
aatagaatga	tttatattcc	tttgggtata	ttaaacctga	ttattaaagg	ctttgaggat	26700

tttctagcct	ctttgtgttc	actggaagtt	taatttttat	aaatttcccc	cttcgttttc	26760
ttttgtcatc	atgacagggg	gttgagtaga	cattgtatgt	ttttcttcat	tgtttcagat	26820
tttgagatac	agagtgaata	tggggagaa	tgtaatcaag	acatgtttga	gaatgaatca	26880
cgtaagatat	tctcggaat	gcctgaaggt	gaaagtgttc	agcactccga	tggggaaagt	26940
gactttgaga	gagatgctgg	catccagagg	ctccagggac	acagcccagg	tgaggaccac	27000
ggggaggtgg	tttctcagga	cagggaaagt	ggccagctca	taggcctgca	gggcacctac	27060
ctaggggaga	agccctacga	atgtccccag	tgtgggaaga	ccttcagccg	gaaatccca	27120
ctcatcacac	acgagaggac	ccacacagga	gagaaatact	acaaatgtga	tgaatgtgga	27180
aaaagcttta	gtgatggttc	aaattttagt	agacaccaa	ccactcacac	cggggagaa	27240
ccctacaaat	gcagagactg	tgggaagagc	tttagccgga	gtgccaaacct	cataacccac	27300
cagaggatcc	acacggggga	aaagcccttc	cagtgtgccg	agtgtggcaa	gagcttcagc	27360
aggagtccca	acctcattgc	acatcagcgc	acccacacag	gagagaaaac	ctactcgtgc	27420
cccgagtgtg	gaaagagcct	tggcaaccga	tccagcctta	acacgcctca	ggggatccac	27480
actggagaaa	agccctacga	atgtaaagaa	tgcggcgaaa	gctttagtta	caactccaat	27540
ctaatacagac	accagagaat	ccacacagga	gagaaacct	acaaatgtac	cgactgtggg	27600
cagaggttca	gccagagttc	agccctcatc	acccaccgga	gaacccacac	aggagagaaa	27660
ccctaccagt	gcagcgagtg	tgggaaaagc	ttcagccgca	gctctaacct	ggccacacac	27720
cggagaaccc	acatggtgga	gaagccctat	aagtgtgggg	tgtgtgggaa	gagcttcagc	27780
cagagctcca	gtctgattgc	acaccagggc	atgcacacag	gggagaaaac	ctacgagtgc	27840
ctgacatgtg	gggagagcct	cagctggagc	tccaacctcc	tcaagcacca	gaggatccac	27900
acgggagaga	aaccctacaa	atgcagcgag	tgtgggaaat	gcttcagcca	gcgctcccag	27960
ctcgtagtgc	accagcggac	ccacacgggc	gagaagccct	acaaatgcct	catgtgcggc	28020
aagagcttca	gccggggctc	cattctgggt	atgcaccaga	gagcccat	gggagacaag	28080
ccctacaggt	gccctgagtg	tgggaaaagg	tttagctgga	actcagtcct	cattatacat	28140
cagcgaatcc	acactgggga	gaagccctac	aaatgccccg	agtgtggcaa	aggcttcagc	28200
aacagctcta	actttatcac	acatcagaga	actcacatga	aagagaaaact	ttattgaagt	28260
ggcaaagagt	gaaagtgagg	gactggcctg	gagtgggagt	tgccacactg	ccccaacagt	28320
gattcccttt	caaagagctg	tgcttcttaa	acattctggg	gggttttgc	agagtcttcc	28380
ccttgcctcat	cctcatttcc	aggacactgt	catttttagtg	gtctgagtca	agtcocgtat	28440
acattcaaga	acagggcata	ggcgtggaag	gtctggaaag	ttgggtcttt	ttcccttaca	28500
ttgggtgact	tgattggccc	cctctcatga	ttcctctgtg	cctcagtttc	ctcttttggt	28560
aaatgggggg	aaatgtttct	ccatgtggaa	tgggaagacag	catggccccc	aacgtgggccc	28620
gagtcctcag	agaaatactg	gaaatcattg	gtgtggttct	ggttgttttg	ttgttttgc	28680
gcccagttgt	tgggctaagg	tgcccttcacc	ccaagctgtt	agtgttccag	ggcaccoccaa	28740
gctgtcagtt	agaatctgct	cttctggcct	tgggtgtctg	ggcttttgatt	tcagggtcaag	28800
atggaggggc	ttctccagtt	ctgagtcacc	cacgtgaagg	taaagaccc	ttctatttcc	28860
agaaagtgtc	aggagcacag	aaacttgagg	aagtacagcc	tggagccagt	gtcccagttg	28920
cccttccatt	ggtaagagtt	ggacagggcc	ttcaggaag	gggtaaaacc	aggacatttc	28980
agtgcctgtc	tttgtctctg	cctactgtcc	tgtggtagat	cagctaccag	gggaacacat	29040
ttgtctctgt	ggggttttgt	cctggagagt	gtagtgaagt	ccgagagccc	tagctgcocaa	29100
cccatgggtg	atggtaacct	ctgtctcacc	aagagtaaaa	cagtcctgca	cacagcaggg	29160
tgggtttgtg	cccttggccc	aacaggtaca	tagcccccata	atttctgaat	tattctatgc	29220
acttgtttcc	ctcttctttt	attttttatt	tgtatatatgc	cgagctagaa	tcctgtccgg	29280
tagcttttgt	atactaagaa	cattattatt	attattattt	ttgagacgga	gtctcactct	29340
gtcaccacag	ctggagtjca	gtgggtgcac	ctcagctcac	tgcagctcc	gcctcccggg	29400
ttcagjccat	tctcctgcct	cagcctcccg	agttagctggg	actacaggtg	cccaccacca	29460
caccacagcta	atttcttttt	ttgtattttt	agttagagacg	gggtttccac	gggttagocaa	29520
ggatgggttc	gatctcctgt	cctcgtgata	tgcctccctt	ggcctcccca	agtgcctggga	29580
ttacagggct	gagccagcgc	acccggccaa	gaacattatt	tttaaaaga	tgtaaacctt	29640
gaggacatat	ctgttccctg	gagatatttg	ggcttgaatc	aggagtgtgt	cctacaggtg	29700
tgcgccttga	tctcaggatg	ctaccagggc	tttgttctcg	ggatcctcgc	acctggagag	29760
tgaagacggg	catgacggca	ggtgaagggg	tttgcctgtga	aggaagagga	gataaggcat	29820

ttccaggaaa	tgggaaactg	cctcctccta	cacatggggc	ctgtgctcag	aatgggctta	29880
gttcttatag	gatggatgct	cagtattcct	taataaagta	gagttccatt	cttttcctga	29940
gtctgtcttt	tactgtgtta	aaaacctgaa	ctaggctggg	cgtgggtggc	cacacctgta	30000

<210> 23
 <211> 2265
 <212> DNA
 <213> Homo sapiens

<400> 23

cgggactact	tgttgatatt	tgaggaggga	agtgtcttac	ctgagagcct	ggctggagaa	60
gactgaggtc	caaggcttga	agcctaagtg	attgccccag	gactgtggat	gatggctgca	120
gacatcccca	gagtgaccac	tccgctgagc	tccttggtcc	aggtgcctca	agaggaagat	180
agacaggagg	aggaggtcac	caccatgata	ctggaggatg	actcctgggt	gcaagaagct	240
gtgctgcagg	aggatggccc	tgagtctgag	ccctttcccc	agagtgctgg	caagggcggc	300
ccccaggagg	aggtgaccag	gggaccacag	ggtgcactcg	gccgcctccg	agagctctgc	360
cggcgctggc	tgagaccaga	ggtacacacc	aaggagcaga	tgttaaccat	gctgccaaag	420
gaaattcagg	cttggtctga	agagcatcgg	cctgaaagca	gtgaggaggc	agcggccctg	480
gtggaagact	tgaccagac	ccttcaggac	agtgattttg	agatacagag	tgaaaatggg	540
gagaactgta	atcaagacat	gtttgagaat	gaatcacgta	agatattctc	ggaaatgcct	600
gaaggtgaaa	gtgctcagca	ctccgatggg	gaaagtgact	ttgagagaga	tgctggcatc	660
cagaggctcc	agggacacag	cccaggtgag	gaccacgggg	aggtggtttc	tcaggacagg	720
gaagttggcc	agctcatagg	cctgcagggc	acctacctag	gggagaagcc	ctacgaatgt	780
ccccagtgtg	ggaagacctt	cagccggaaa	tcccacctca	tcacacacga	gaggacccac	840
acaggagaga	aatactacaa	atgtgatgaa	tgtggaaaaa	gctttagtga	tggttcaaat	900
tttagtagac	accaaaccac	tcacaccggg	gagaagccct	acaaatgcag	agactgtggg	960
aagagcttta	gccggagtgc	caacctcata	acctaccaga	ggatccacac	gggggaaaag	1020
ccctccagct	gtgccgagtg	tggcaagagc	ttcagcagga	gtcccaacct	cattgcacat	1080
cagcgcaccc	acacaggaga	gaaaccctac	tcgtgccccg	agtgtggaaa	gagctttggc	1140
aaaccgatcca	gccttaacac	gcatacgggg	atccacactg	gagaaaagcc	ctacgaatgt	1200
aaagaatgcg	gcgaaagctt	tagttacaac	tccaatctaa	tcagacacca	gagaatccac	1260
acaggagaga	aaccctacaa	atgtaccgac	tgtgggcaga	ggttcagcca	gagttcagcc	1320
ctcatcaccc	acgggagaa	ccacacagga	gagaaacctt	accagtgcag	cgagtgtggg	1380
aaaagcttca	gcgcagctc	taacctggcc	acacacccga	gaaccacat	ggtggagaag	1440
ccctataagt	gtgggggtgtg	tgggaagagc	ttcagccaga	gctccagctc	gattgcacac	1500
cagggcattgc	acacaggggg	gaaaccctac	gagtgcctga	catgtgggga	gagcttcagc	1560
tggagctcca	acctcctcaa	gcaccagagg	atccacacgg	gagagaaaac	ctacaaatgc	1620
agcgagtgtg	ggaaatgctt	cagccagcgc	tccagctcgc	tagtgcacca	gcggacccac	1680
acgggcgaga	agccctacaa	atgcctcatg	tgcggcaaga	gcttcagccg	gggctccatt	1740
ctggtcatgc	accagagagc	ccattttggga	gacaagccct	acaggtgccc	tgagtgtggg	1800
aaaggcttta	gctggaactc	agtctctcatt	atacatcagc	gaatccacac	tggggagaag	1860
ccctacaaat	gccccgagtg	tggcaaaaggc	ttcagcaaca	gctctaaatt	tatcacacat	1920
cagagaactc	acatgaaaga	gaaactttat	tgaaaagtgt	caggagcaca	gaaacttgag	1980
gaagtacagc	ctggagccag	tgtccagagt	tcctttccat	tgggtgtcgcc	cttgatctca	2040
ggatgctacc	agggctttgt	tctcgggata	ctcgcacctg	gagagtgaag	acgggcattga	2100
cggcaggtga	aggggtttgc	tgtgaaggaa	gaggagataa	ggcatttcca	ggaaatggga	2160
aactgcctcc	tcctacacat	ggggcctgtg	ctcagaatgg	gcttagttct	tataggatgg	2220
atgctcagta	ttccttaata	aagtagagtt	ccattctttt	cctga		2265

<210> 24
 <211> 1845
 <212> DNA
 <213> Homo sapiens

<400> 24
 atgatggctg cagacatccc gagagtgacc actccgctga gtccttgggt ccaggtgect 60
 caagaggaag atagacagga ggaggaggtc accaccatga tcctggagga tgactcctgg 120
 gtgcaagaag ctgtgctgca ggaggatggc cctgagctctg agccctttcc ccagagtgtc 180
 ggcaagggcg gcccccagga ggaggtgacc aggggaccac aggggtgact cggccgcctc 240
 cgagagctct gccggcgctg gctgagacca gaggtacaca ccaaggagca gatgttaacc 300
 atgctgcca aggaaattca ggcttggctg caagagcctc gccctgaaag cagttaggag 360
 gcagcggccc tggtggaaga cttgacccag acccttcagg acagtgattt tgagatacag 420
 agtgaaaatg gggagaactg taatcaagac atgtttgaga atgaatcacg taagatattc 480
 tcggaaatgc ctgaaggtga aagtgtctcag cactccgatg gggaaagtga ctttgagaga 540
 gatgctggca tcagagggt ccagggacac agcccagggt aggaccacgg ggaggtgggt 600
 tctcaggaca gggaagttgg ccagctcata ggcctgcagg gcacctacct aggggagaag 660
 ccctacgaat gtccccagtg tgggaagacc ttcagccgga aatcccacct catcacacac 720
 gagaggaccc acacaggaga gaaatactac aaatgtgatg aatgtggaaa agcttttagt 780
 gatggttcaa attttagtag acaccaaacc actcacaccg gggagaagcc ctacaaatgc 840
 agagactgtg ggaagagctt tagccggagt gccaacctca taaccacca gaggatccac 900
 acgggggaaa agcccttcca gtgtgccgag tgtggcaaga gcttcagcag gagtcccaac 960
 ctattgcac atcagcgcac ccacacagga gagaaacct actcgtgcc ccagtggtga 1020
 aagagctttg gcaaccgatc cagccttaac acgcctcagg ggatccacac tggagaaaag 1080
 ccctacgaat gtaaagaatg cggcgaaagc tttagttaca actccaatct aatcagacac 1140
 cagagaatcc acacaggaga gaaacctac aaatgtaccg actgtgggca gaggttcagc 1200
 cagagttcag cctcatcac ccaccggaga acccacacag gagagaaacc ctaccagtgc 1260
 agcgagtgtg ggaaaagctt cagccgcagc tctaacctgg ccacacaccg gagaaccac 1320
 atggtggaga agccctataa gtgtggggtg tgtgggaaga gcttcagcca gagctccagt 1380
 ctgattgcac accagggcat gcacacaggg gagaaacct acgagtgcct gacatgtggg 1440
 gagagcttca gctggagctc caacctctc aagcaccaga ggatccacac gggagagaaa 1500
 ccctacaaat gcagcgagtg tgggaaatgc ttcagccagc gctcccagct cgtagtgcac 1560
 cagcggaccc acacgggcga gaagccctac aaatgcctca tgtgcggcaa gagcttcagc 1620
 cggggctcca ttctggtcat gcaccagaga gccatttgg gagacaagcc ctacaggtgc 1680
 cctgagtgtg ggaaggctt tagctggaac tcagtcctca ttatacatca gcgaatccac 1740
 actggggaga agccctacaa atgcccgcag tgtggcaag gcttcagcaa cagctctaac 1800
 tttatcacac atcagagaac tcacatgaaa gagaaacttt attga 1845

<210> 25
 <211> 26642
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(363)
 <223> n = a, t, c, or g

<400> 25
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	240
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	300
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	360
nnncctcatg	aatgctgaga	ctaaaggtgt	gcacaccccc	tgcccaattt	caaaatagtg	420
acccaaggga	agaccagatt	acaaggtgct	gcactacaaa	gtgagaaaaa	gttaacgggt	480
accctttaaa	aactttgctt	agagggaaaa	aaaaaacccc	acaatcataa	ccaaagcaat	540
ggaccaggaa	ctattttcct	gcctgttttg	tcttttcaaa	tttctgtcat	cttctgtctc	600
tagagaggaa	cggctacagt	aagatgggtc	gaagacctgg	tagttttttt	tttttttttt	660
tttttaagat	ttattttatt	attatatgta	agtacatgta	agtaagtaca	ttgtagctgt	720
cctcagatac	tccagaagag	ggcatcagat	ttcgttacgg	atggttggtg	gccaccatgt	780
ggttgctggg	atttgaactc	gggacctttg	gaaaagcagt	cgggtgctct	aaccactgag	840
ccatctcgcc	agccagacc	tggtagttta	agcctgcaat	ctcagctggt	tggggagggg	900
aagcaggagg	gttgcaagct	caaagcctga	gctacagaat	gagttcaaag	ccagtgtgaa	960
taacttagca	gggctcacag	tcttgacatt	cagagatggg	gaagattatg	gggctgagct	1020
cagaccacaa	tataaaatga	agaaggaaca	cagaggagag	aagccaagaa	ctgtcggggg	1080
ttatgaaatc	attacaagac	acaagaatth	attatttttc	cagaattggt	acccaagcat	1140
ttggcatcca	tgcgccaccta	catgtcagtg	tccacctgga	cagaaatctc	aaacttagtc	1200
cagcgtagaa	catcttacct	acaggagcgc	tcctcatggg	actatgtcac	catcatccaa	1260
ctagaaacac	agcagtcac	tcagcctcct	tagtcttctc	tacagcagca	actccatcct	1320
ctaaccaaag	catctcccac	tgagcacgcc	ctcctgcccc	cctctctctc	tctcctttta	1380
tgcgtgctgc	agtctacagc	agatgcacct	ctcagcaggg	atcctggagc	agccatctag	1440
tgccttatcc	cctccagtc	ttctacactc	caataatgct	tcaggtcact	aactccttta	1500
tgtaaaaaca	attaaggctc	agcaagatgg	ctcagagggg	taaaggcaac	ttgctgccaa	1560
acttgatgac	ctgggggtcaa	tctccagtac	tgatgtggta	ggagagactc	aactaccaag	1620
agttatcctc	tgacctctac	atgtgtgttg	tggtacaccc	acaaacacag	agagagagag	1680
agagagagag	agagagagag	acagacagac	agacagacag	acagacagac	agagacacac	1740
acagagagaa	atgtaacgtt	tagagaagaa	tcacatccata	ttcttttagca	cagaacagaa	1800
ggcacattaa	ttataacctg	ggcatcctgc	cctgtcttcc	tcacatccaa	ctctatagct	1860
gcttctctct	ctaaccacca	aggttggttaa	gtcttggtgc	cccttctgta	tcttgctcct	1920
tgttcttttg	tcacacagtg	accaaagtca	ctgagtgttg	tgcaaaccctc	ttcttcttga	1980
ctcctgtatc	tctctggagc	tctacttagg	ctccagtacc	tgcaagggat	taatgccctc	2040
acatgacagg	ccccagacag	aaccctctct	ctttccctct	caccaagggt	gggaatgctc	2100
acagctccct	gatttctgtg	taactcctgt	caagcagact	gaaacaccga	cattacatct	2160
tgctctttat	gcttgccat	gtccattct	gtgtcatgac	aattcagcca	ccaagttctg	2220
ttactctctc	cttggttata	tttctctagg	atacacattt	tcatttctat	ggccagaatc	2280
ataaaattac	cactagccca	ggacctgaac	catccctcac	ccctctttcc	agtatcaaag	2340
ggagacaaaac	tgtttttatt	aaagatgtac	tgtattttaa	aaaaacctaga	atcaaaactt	2400
tgaacaaagt	ggggtgtgat	ggtataacac	tttaattcca	gcacttgga	ggcagaggca	2460
ggtggatttc	tgagttcaag	gccagcctgg	tttacaaggt	gagttccagg	acagccagggt	2520
ctacacagag	aaatcctgtc	tggaaaaaac	caaccaacca	aataaataaa	taaataaata	2580
aataaataaa	taaataaata	caaggctctc	ggataaaactc	cttccaaata	gaaatgagaa	2640
gccatctggg	gaagctcagt	gtgagggtga	ggtggcacga	gatggaaactg	ggcaattgga	2700
aagagttagg	tattgtagag	ccacaggaga	gcaggactgt	ggtgacttct	gtggccctgt	2760
gatgttctca	ctcaagagt	acttacatca	ggattccatt	cttaataaag	cacactttat	2820
tagcaactat	aactctgtat	acattgtgtt	tgcttttaaat	atttaacttt	ttgttttcca	2880
aaaagagttc	ctgaaacata	caacaagcag	aaattgtcat	tgctgaaggga	tgcttagcat	2940
gctcatgttt	ctgagtgttt	actaggcgtg	ataaatttga	cttttcttgt	tttctttcag	3000
ttcaactctg	ctgatgctcc	tgccccgggtc	tcttaaatgc	agggattata	ggtgtgcacc	3060
gccacaccta	actgtgtaca	gtagatcgta	agatgggaaa	tcccagagtc	agggacctta	3120
ggtggtgtgac	ctatacacag	tgacatgccc	aggaagtgtt	aaatctggca	tttgaatcca	3180
cctgttttgac	cccagagtth	gtcaaaagggt	aatagtagag	cgctcttgca	tgacttaaaag	3240
agatgctcat	tttcccaaga	gaaccaagag	gttctagtgg	ccaaatgtca	gtatgaataa	3300

atctgctgag	atgcgctgtg	cagcgctccgt	cgaccttaca	ggaggacaga	gcaatccttt	3360
tcctttttga	ttcatcgctc	ctttcagact	tgatcctctc	accacagatc	tctttccttc	3420
cacttcctca	ttcaaaatgg	ggtcagttcc	ccctcagaac	aaaagaggaa	catgaggcga	3480
agaccctttg	cagagggaaa	atccacagct	gggcgtaggc	cgagggagct	ttcgctggga	3540
gaagcaggtg	agttcggatg	aagggaagca	actgagagag	gcaaggcaga	tcctcagacg	3600
gggcgggttg	gggggggggc	gactcggaga	gggagttttc	ggggagtcac	cagagctggc	3660
caggaagaac	taggcatgaa	catgagtcce	agggactccg	agggacacat	ttctgcttag	3720
gtcccacagt	attaacacgg	tcactaaaaa	gcagatacgc	tcagcaggat	gagcggccac	3780
agaggagagc	ctatcagtac	tcggtttagt	cattaccttt	taatacacat	gatttatata	3840
agcctgtatg	tgtataagac	ttaagttata	aatggctaata	tacattacag	aaggactaca	3900
gaaggcagag	agagggaggg	aggggagggc	aagggtgggg	aggggagggg	aagggaagatg	3960
ctctttacct	ataaggttta	tctagtatct	ttctaatttg	tccttttagt	ggcaattctg	4020
ttaacattca	aatacaccat	ggagagggaa	gaacagaaaa	ccccagatg	cctggaactg	4080
gggaagctgt	cttaaccctg	acctctcttg	ggatgctctt	ctcatctata	aactaatgat	4140
tacttttagat	cacttctgaa	tgacctgggt	taagtcctgg	tctaactcta	tcagcccccg	4200
tagacctggt	agacaagatg	gacctgtgog	taactcttct	agggctgatt	ccacatggaa	4260
tttacctact	tttatttaga	gatgaggtct	cactgtgtcc	ctctggatga	gctggaactc	4320
accacacaca	ccagggtggc	ctcagactca	gagatttact	tgccagtgtc	tctcaaagt	4380
tggggtaaaa	agcgtaaagg	accacccaca	gaccccatga	attcatatca	attgttatatt	4440
gaactaactt	gaccttccta	ctccctctag	ctcacatcct	caaccgtccc	tgcttcccc	4500
tccagacttc	ctcccccatt	tccagctttt	tgctcaagaa	gtctcatgat	ctcgttcaag	4560
gaagctctcc	caggtttggct	gacctcatag	ctggcaacaa	aggcaactac	tgctaggggt	4620
gaacacaagg	ctacagtgca	ctcactctgc	acccaaactc	agaattgcac	caaagtgtgt	4680
gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtctgtgtct	4740
gtgtctgtgt	ctgtgtctgt	gtgtctgtgt	gtctctgtgt	gtgtctgtgt	ctgtgtttgc	4800
tttcaactgtg	tatgcatatg	tggagaccag	agacgaatga	ggagatcata	gacatacaact	4860
gtcacaccca	gcctttctgt	ggatgctggg	gatccaaact	caggtcccca	gatccatgca	4920
gcaagtcctt	tgcccactag	gctgtctccc	gagctctgca	cctaggctct	ttataggacc	4980
agcagtgtgg	cctcaactgtc	ctctatttcc	aatctgtgtt	tattacaact	ccgctgacat	5040
attgggggtg	atttcttgga	gggatgcttt	tattctcttg	gtgaaatatt	tttctgtgca	5100
ctgatggctt	gtgaaatttt	cttctctgtt	gcctcagttc	aagccagacg	aacaaggagc	5160
tgagattaag	cttagtaagt	aaagcccagg	acctggagga	tctggaaaact	gggtgaaaga	5220
gttgctctct	gttggctagg	ttaggttcag	ggcagccagg	atggagtccg	aggggtggct	5280
gacaacaccc	aggggccact	gtcagctctg	tgactttccc	tccagaaaaa	ggggccagtt	5340
ctgtgcaaac	atgttcttgt	ccaggagttt	ggtttcttct	ctctgagcac	ctggcacagt	5400
ggcaccaatg	tgagcagtea	cttggccagg	cagagaaaaa	caagctagca	gtcccagggc	5460
tcaggtgaca	gagccaggcc	caggagacag	ggatattgac	tggggcttta	acagcactat	5520
tgatgccaat	ctcgggcaaa	aacctgatat	ttccacttgg	aataacaaga	aacagccaag	5580
aggattggag	agaggtcagt	ggacaaggag	agccctctgc	aggtcgtgct	gggtgattcc	5640
agaacagaag	agggcagccc	ctgctggaca	gggtctcctg	agatgatggt	gatggtgacg	5700
gtgatggtaa	tagtgatggt	gacagggaca	atgacagttag	tagtggttag	gagaaggaaa	5760
aagaagaaaag	agaaaaacac	aatgtcaggc	tttaaaataaa	taatcctcat	gaagtagata	5820
ctattttattg	tggttttgat	atgaaacacc	cctcccccac	gggctcgggt	attggagatt	5880
tgagcccccag	cgtgtggtgc	tattgagagg	tgactttggt	gatggcgact	ttgtttgatg	5940
aggagataag	aggtggactg	taaggaggtg	aaagctgtct	gaggaagttag	gtcacccagt	6000
gtgtgctctc	aaaggtgggt	ctcaaccttc	ccaatgctgt	gacgcttcac	ttaacacagt	6060
tccttatgtt	gtggtggccc	ccccaatcat	aaaattagtt	ttgttgcctg	ttcataactg	6120
taatttttact	actgtttataa	atcataatgt	aaatatcttt	ggagcttaga	ggcttgccaa	6180
aggggtccag	accacaggt	tgagaaccac	tgtcttagaa	ggaagtccac	tcctctctct	6240
tccttgctcat	tctcttttct	tcctctccct	tacactcccc	ttctctctct	ctctctccct	6300
actcctcacc	tctccactct	ccatgaaatc	tgatttcccc	tgctatctac	cacaatgcog	6360
gatctcatat	tcccaagaag	aatggagaca	aacaacctgt	gactggattc	ctctctcttt	6420

aagtgtgact	tgggtgttct	gttacagcaa	tgaaaagcta	gcaatataag	atggctagtc	6480
tcatctctta	gatttataaaa	actaacattt	tccaaacata	gtggctcatg	tctgtagaca	6540
cagagccagg	gaagcagagg	cagaaggatc	cactgcaggt	ccaaggctgg	cctggactat	6600
gtaacaagag	agagagagag	agagagagag	agagtagaga	gagagagagg	agagattgaa	6660
ggaaagaaag	attgaagaaa	agaaagatga	aagaaagaaa	gaaagaaaga	aagattgaag	6720
gaaagaaaga	gagattttaa	gaaagaaaaa	agaaagatga	aagaaagaaa	agggaagaaa	6780
gattgaagga	aagaaaagaa	cggaagggaag	gaaagaagga	aggaaaggaag	gagtgcaggg	6840
ggaggaggga	agaaaagagt	ggagggggag	gagggagaaa	agaaagaaaa	ggagactata	6900
tgaagctatt	tgctcaaagc	catgcactct	ctatcagaga	gtagaatttg	aactcaagtc	6960
attgcctctg	aagcttgtat	tacccacac	acotgtcata	gctcgtgagc	acatttcaga	7020
aacttctagt	cttctattgt	gctgtttctt	cctgttcttt	ctagtattgt	attcttgcag	7080
tgttaaggct	taggggattg	gatataaaat	atcttgtgca	taacaatatt	ggcaatagta	7140
ataacaccag	cttaaattta	ttttttatag	ctttagtaat	ttaatttatg	tatatgagtt	7200
catggtagct	gtcttcagac	acaccagaag	agggcacag	atcctattac	agatggttgt	7260
gagccaccat	gtggttgctg	ggaattgaac	tcaggactac	tggaagaaca	gocagtgtct	7320
ttaactgctg	caaaatggta	cagttactct	ggaagacagt	ttggcagtc	cctgaaaaac	7380
taaacatact	ctttccatat	gatattgcaa	ccatactcct	tggatattac	cgcaccccca	7440
aaagctgaaa	acttgtctaa	ataaaaaccc	tgcacacaga	tgtttgtagc	aactttattt	7500
ggaatcgga	aaaactggaa	atgaaatgac	tttcagtggc	tcaatggaca	aatgaattgt	7560
ggtactttcc	tggccgtgga	ccatcattca	gtacccaaat	gagatgagct	gtggagctaa	7620
aaaagacatg	aagcaacctt	aaatgcacaa	gtggaagaag	ccaatccaag	gagctgcata	7680
ctgtataatt	ccaaccccat	ggcatcctgg	aaaaggcaga	accatggaaa	caggttttta	7740
aaaaatcaga	gattgccaaa	ggctaagggg	agagtggatg	gctgggggca	gcagagagga	7800
aagcacccca	caaccatcat	ggcgatata	catcctcgtg	gocgttctgg	gtttacagca	7860
agagaaacca	caccaagaga	aagtccta	gtgaactaga	aaccagtgat	catgctgtgc	7920
caagttagat	ttgtaagtcg	taaacaagct	actattctca	ctggagatgt	ctagagtaga	7980
ggagactgtg	tatgccaggc	agaaggcatg	tggaaaactct	tagtgccctc	tctcagttta	8040
tatgtgtttg	tgtgtatgta	tacatctttg	tgtgtatgtg	tgtgcatgta	cacgtgcgta	8100
cacacagaag	tctgaagtcg	atgttttctc	atatcactct	ccaccttagt	ttttcagaca	8160
gggtccctca	tgaaacctgg	aattcaccag	tttgtttggg	ctaactggcc	agttagctct	8220
gggcacctc	atgtctctgc	cttctcagct	gggatccac	gtgtttgcca	ccacatcctg	8280
catttacacg	ggtgctgaga	acccaagctc	aggtcctcat	cagtagggca	agcacttaac	8340
tgactgggcc	atcttccag	gctcttctct	tgtgtacaa	ttaaaagtat	tctttgaaaa	8400
agtctaatat	gcatgcctat	atttccagca	ccgagtaagt	ggagctaacc	tgggttagac	8460
agtaagacc	ggtcttgggg	gtggggaaca	cctaacaaaa	aaataaaaaa	aaaacaaaaa	8520
aaaacaaaaa	ccaaaaacat	taaatgaaga	gpcagggcag	tgacaagaca	cgtgactcct	8580
caatctctgt	ccaactctgg	aattcaatag	gctaattttt	ctgttttctc	catccataaa	8640
tagaaaaagg	gataactgtc	tcacaggatt	gtcacagaaa	ttaaatgaga	tgtgtctgga	8700
tggattagca	gtaggagcat	gtagcagcag	acotgtgcaa	ctctgtgtct	ttccactgat	8760
ggcatcatag	gctactgctg	ggcaaggacc	tattcatttc	ataatcgctc	ctaactagcc	8820
cagtatgtgg	tgttttagcc	ccctgagctc	gctgggttga	tggtaagaac	tagcctagac	8880
ttctctctct	ctctgttgga	catttgaggg	ttttctcaac	tttttgcctat	gagcaaaagta	8940
catctcaaaa	ccctttttat	tacatcacct	aatttgatct	gcacccaggg	tgaagccagc	9000
agaagagggc	tgtttgccc	cgccacacct	ctgagacaga	cagaatcact	atggctcaga	9060
gaagtgaagg	gacctcttcg	ggtcacaggc	atatcagtga	tjgtgatgac	gatgggggag	9120
cctctggccc	tgtctctcta	gpcctacct	ctgcagacct	ttttctctct	gocgtgctgc	9180
ttctgcctca	gaggtctctt	aaaaaattgc	agccttgcct	cgtggtggct	ggtcctctctg	9240
tccgtgtct	ggagggcagc	acctttgcct	agtgttccct	gctggggatt	gtgaaactgca	9300
aactccagca	tggcctctga	aatcaaatat	tttatttcca	atgcctctat	ttccccagaa	9360
tgaggagcac	accagtctcc	ccacacacac	acttgcttct	gtccctataa	ajaggtgagg	9420
agatgaactct	cctgttccag	gaggaaggac	tttjgtctaaa	aatagctgtg	gogtjgtggat	9480
tagccagagt	ggtaccaggg	actgggaaa	ggaaggggac	gctgtggagc	tgtagccaga	9540

ctgggttgcca	tagaaacgag	agaggagcag	gggaacctgg	gaagtgggga	tgacacagat	9600
accaagtect	agtctgagct	gccgttacat	tcaggagaaa	cagcagtgtc	ggcggctccc	9660
aatctcagag	ggaacctagg	gtactggggg	agatgggtgc	agggacatgg	acgccaaccc	9720
ccaagggctc	ctgctgctgg	ctactcttct	ctccaggctc	tgtgagttga	gttgtgggac	9780
ttggggtttg	ggccccctatt	tctgagccaa	gaggggtttg	ggtggagctg	ctcccagagg	9840
gacttctccc	cgacagaccc	ctttccaaaa	gataagcccc	ctgtactggc	cagcgctctc	9900
tagagggagg	tggagtactc	caagataatg	tgggtgctcg	atcttactga	aaggggtcac	9960
agcatgcccc	agaactgtgg	tcggaagaac	tggagtattt	tggagggaa	aggaagaaat	10020
gaagacgttg	ctcttcaggt	ggtggacact	gcacaccttt	cctgtcccat	gaagaagaga	10080
gcttttctcg	agatggcaat	ggctaggatg	tcatcagtag	gctccctggg	cagtcgtggt	10140
ctgggaatga	tcagacactg	ggaatccttc	cccattctct	gccgtagatg	gaggtcagat	10200
caccttagac	cctacgaaga	ctgtctagaa	gcccacctga	agttaatact	aggatgaaag	10260
agacctgggg	tctcgaggca	ctgaaaactt	acagatgagg	tgacagaggac	atcctgggct	10320
gcagagaggg	aaaaaacaag	cctgcttgct	gttgggggag	gggaagatct	taatctgcca	10380
ttgccgaagt	gttcccaggt	catgtctctt	gacttccatg	gaaaataagt	gtgtgggggt	10440
acaaaccatc	tttttgggg	tttttccctg	tgcccttctt	taacatacac	acaccctcca	10500
aaggtctgct	ggctacagaa	cacttggtct	caaagtttaa	aatgggaatg	tcgggtttgt	10560
gggtatatat	tcatgcagtt	tctccctagg	atctgggtca	acatccaaac	catctgagat	10620
ccttatgtca	catttctgcc	cccacagggc	cacctgctct	ccccacttcc	ccagccttcc	10680
tgccccaccc	ctcaccttga	atgggaggag	atggcaaata	ccaggaaaaga	gaaaggaagg	10740
ttgatgagtc	ttaatcctta	ttctacagac	ttctgttcat	acgggtccata	tctcctaggg	10800
gacctgaaa	gcctaggaac	cgactctggc	catccatctc	tccgggaaga	ttataaccca	10860
gagtgccttc	caggggggaa	gaatttgaag	caaaaccagg	tgggtttttg	ttggaatctg	10920
ggctttgtgt	ggaatgtggg	ctttgggaca	tatggcagga	gtgggtgggg	ttgctggtag	10980
ggtagtaaat	gcaaatcagg	aaattggtag	ggggggctga	tgtgggtggt	tggtgtttcg	11040
attggtctga	tttcttatct	cttagaagaa	tacgaatctg	agagatacta	gactagcgta	11100
actctggatg	gcctggcgcc	tccttctatc	ttggcgtggg	cagttgagct	cacgcgtggc	11160
ccccaatctc	ctattgccc	cccttttccg	cgtgtctctt	gtgggaaaga	gccttgccgg	11220
gaaatgggct	ggtatcagag	catcagtgac	cacggtgaag	cagttagaat	tgccagtggg	11280
aagttcccaa	tgctgaggac	atccaacctt	tgacacttgg	aggtttttgt	gcacagttct	11340
cattgctttc	tccttgggaa	gtctgggggt	gaggggaaat	gtagcaggag	aaagagttag	11400
gccagggaga	acaccgaggg	aacagtcttc	aggtgggggt	tctggcagga	tgctgaagag	11460
tgctggggga	agggataatt	gccagggaaa	gggtgttgga	agtcctcctc	gcagggaggg	11520
ctttgcatgg	agaaggaaat	gccaagaagt	ctacctcttc	agtaccttaa	atgtctgate	11580
cggggtgcct	gtgagttgct	acatacacca	gcttgaggta	gtgacgctga	gatctgtgac	11640
atcgagatgg	ctaattgcctc	ttttcttact	gaactctgac	accagttctg	tgctctttat	11700
cctgtgtaat	ctgtacaaat	ctctctctct	ctctctctct	ctctctctct	ctctcataat	11760
tctttattct	tttttaaaaa	gatttattta	cttaattgtat	atgattacac	tgccgtgccc	11820
ttcagacaca	tcagaagagg	gcataagatc	ccattacaga	ttgttgtaag	ccaccatgtg	11880
gttcttgggg	attgaaatca	gaacctctct	ggaagtgcag	gcagcgtctc	taaccccgct	11940
gagtcacctc	tccagccata	caactttttc	ttaaccattg	ttttatttta	tgtaatatgt	12000
tgccctcatg	tacgtctgtg	cattaccctc	ggaggccagc	agagtgcgag	ttacagccgg	12060
ttgtgagccg	acttgtgggt	gttgggaatc	gaaatcagat	ccgctggaag	agcaaccagt	12120
gaatcatttg	agccatctcc	ccagcacttg	tgccccaact	ttctgagatt	tatgggatgt	12180
taggjtattat	cgttcccaat	ccaccagtgg	ggaaaaacta	aggtctaaaga	gacaggaagg	12240
gagattgtct	cacagcattg	gccttgagtt	cggggcagat	ccatcaactc	ggcacacctt	12300
tattaagacc	ccgcaggatc	cccgctgggg	ccgcatgggc	gcaggagaac	gcggttttct	12360
ctcccggttc	ggaggagccg	ccagcccgcc	gggtctggca	gggtacgttg	gagaaggacg	12420
gtcgtgttaa	cgtgcagcag	ggcaacgtcc	ggagagacct	ccgtacacct	accgacctgt	12480
tcaccaagct	ggtggacctg	cagtggcgcc	tcagcctgct	cttcttctgt	ctcgccctacg	12540
cgtccacttg	gctcttcttc	ggcgccatct	ggtggtctat	cgcctacggc	cggggcgacc	12600
tggagcacct	ggaggacacc	gcgtggaccc	cgtgcgtcaa	caacctcaac	ggcttctgtg	12660

ccgccttct	cttctccatc	gagacggaga	ccaccatcgg	ctatggggcac	cgcgctcatca	12720
ccgaccagt	tcccagaggg	atcgtgctgc	tgctgctgca	ggctatcctg	ggctccatgg	12780
tgaacgctt	catggtgggc	tgcatgttcg	tcaagatctc	gcagcccaac	aagcgcgcgc	12840
ccactctcg	cttctcctcg	cacgcctggg	tgtctctgcg	cgacggggcg	ctctgtctca	12900
tgtttcgcg	gggcgacctg	cgatcctcac	acatcgtcga	ggctccatc	cgagccaagc	12960
tcatccgct	ccgtcagacg	ctcgagggcg	agttcatccc	tttgcaccag	accgacctca	13020
gcgtgggct	tgacacgggg	gacgaccgcc	tctttctcgt	ctcacctctc	gtcatcagcc	13080
acgaaatcg	tgccgccagc	cccttctggg	aggcatcgcg	ccgcgccttc	gagagggacg	13140
acttcgagat	cgtagtcatt	ctcgagggca	tggtggaggc	cacgggtgcg	ggcaggctgg	13200
aggatgggag	cagggatgca	ggacaagggc	aagaaaagca	gccaggggag	gcgcagaaag	13260
atggacagag	aatggagtgt	agggtgacag	gcctgagggg	tagcgggggc	cggggagagg	13320
acgggagatg	acagggatgg	acagggtgac	tttgcagagt	caagaaaagc	ttggaagagg	13380
tctatgaaat	ggcactagct	tgaggccctg	acctgacagc	tatgtcaact	tgaactacat	13440
tttacatctc	tgaattcatt	taagcccagc	aaagctcccc	tggaggttac	ttttgactgt	13500
gctcggtttt	cagagaatga	gtagcccca	agaaaggctc	cataaatagc	ccgctgtcac	13560
aagccaataa	atagcacagc	ctgggttgaa	cataggacat	ctatcttcag	tgtttctctg	13620
tacagtgttg	ggatgaagg	taagtgcagg	gttcttgaa	cccagagggt	catagctctg	13680
gaatttaact	gacctaagta	aaaggagggt	aggtaggaaa	aagactagta	ctggagcaaa	13740
aacaggctct	tgaagagggt	ctagccgtca	gggagcataa	ggaagacgca	ggtgaacca	13800
gaggccacta	ggaggagctg	cggagctgct	acggacaggc	tagctccctg	ctgctagcct	13860
tgaaacctgg	ctcctggggc	tagacaaaaa	catcatcttc	tccatggcca	cctcaggtct	13920
tcccactccc	ctctcctcct	tcactccaa	taggctgggt	ctagcccatg	cccattccac	13980
actgctccct	ctgtctctgc	gctgtccctc	tctctgacac	aactctggac	aggtttctat	14040
cagggaactt	ttcatctgcc	ttctcttccc	cctctgccac	tgctccact	ttgcacctaa	14100
ccctactccc	ccaagcccta	cctctgcttc	tcaggccttc	tccttgacga	ggccccgggt	14160
gcctctcttt	ccctacgata	cctgatacat	cttattccag	ctttgccaaa	gaataccaat	14220
gacccaaga	tgtctcagg	ccagacttcc	gatgtcagag	ccggtctctg	attagtgaat	14280
gcttactcct	ctgtttttga	gatggattcc	ggtttgggaa	gattctgagg	taggaacaaa	14340
atgatctgcc	ccgaggggag	ggtgcacaaa	cccaacagag	aagacaggac	acaggctcag	14400
ggcaagaact	gggaaggggc	agtgtaaagg	acatggggat	gggagcttgc	ttgacttttc	14460
tagagataag	gctgggaagg	atggtagtat	tttgggattc	aaactgcttt	tgaaaagcaa	14520
gaataatgag	ccaaaaccca	acatgatgac	atttaagggg	aataaatata	aaattctaca	14580
tttaggcttt	aaaaaaatca	cttatgtaag	cacagcatgg	aaaggctccg	gtggagaaaag	14640
aactgggggt	tttagttggc	cactggcttt	gctgcagcaa	cgtgatgcag	cttccaaagg	14700
cgtttatgta	atgtaatcat	gggcccgttt	caccaaagca	tctggggcag	aagcaagaga	14760
tagtaagcct	tcttttatgc	acagataagg	ccacagttga	aaaagcactt	cagatgagcc	14820
cttacctggg	cctgggtggc	attctgattt	gcaatgaaga	ttgtaagctt	tgggggagtc	14880
agatgaagta	agaaatggcc	atgagtgttc	aactctgagg	agagaagatg	taagggaacc	14940
ccatattttac	actcaagggg	gtgtcagggt	gtaagggaat	ggaaccaggg	gccacgggtc	15000
ctaggagaca	gatttttagt	tatgtaagag	aaaaccacga	gccaaagaga	tgtctcagct	15060
tgcaaccaag	cctgactact	gacctgagtt	gaattaccag	gtctcacatt	ggggagtcac	15120
ctgtctcccc	aagttgtcct	ctgacctcca	catacataca	tatgcacgca	tatagacaca	15180
taaatgtaaa	acacatttgt	aaagacgatt	ggcacgttgc	acaaaggact	ggacttttaa	15240
tgagatgggt	agcttttcaat	cctgggggtg	aactagttca	gccatttgtc	tggggaatgt	15300
tgggggtggg	tggaggcggc	tctgtgggaa	acagggaagg	taggtttaag	gttaagcttc	15360
tcaatggaga	gtaggggaaa	acataggctg	gcagatagag	aagagggtca	actaaaaaga	15420
gaggtgggac	tctcagagag	agaagagggt	tgtgggatga	cagacaggag	aaggaaatct	15480
ctgtcagggg	cccttttgac	tgatgcctct	tctctccccc	ccacccccc	ggaatgaagt	15540
gccaaagctg	aagctcgtac	ctgggtggat	aagtgttgtg	gggcacccgg	ttcacatccg	15600
tgctcaccct	ggaggatgg	ttctatgagg	tggactacgc	cagcttccac	gaaacctttg	15660
aggtgccccc	accctcgtgc	agtgtctggg	aactggcaga	agccggggcc	cgccttgatg	15720
cccatctcta	ctgggtccatc	cccagcaggc	tggatgagaa	ggtggaggaa	gaaggggctg	15780

gggagggggc	aggtgcggga	gatggagctg	acaaggagca	caatggctgc	ctgccacccc	15840
cagagagtga	gtccaaggtg	tgactggttt	cctcccaccc	cctgtggcag	accagggggc	15900
cggactcagg	tacacagaag	ctgcgagtgg	aggtggaaga	agaggaggca	ggcagtgtcc	15960
cgaggaacag	ctaaagtgtg	gagaggcccc	ctgagtccag	gatcgagtag	ggaaggctga	16020
ggtcctgggt	tgaagagaga	gggttgccag	gcgggggtgag	agaacatgtc	agtctgtctg	16080
tgtttgacct	tcacatcggt	tcattgggtg	atggatggac	agaaggatgg	gctcatgggg	16140
gttgatcggg	aaggtggagc	agatagagac	agccaatgga	taatcgctca	ggtggtaagt	16200
ggcttggcag	tcgatgatcg	tcacctgcag	cacacctttg	tgagaaatcc	atgggcatcc	16260
ttttcttcca	gatataggta	gcctcaaacc	agggagcgtg	gcttagggag	caggctgtca	16320
ggtggactac	cacccccact	cacctccctt	caactggcct	ccctatgtgt	gacacgcctg	16380
cctaactaga	gaagagagca	ctgggtagag	gtgggcacag	gtgtgggtgc	cctcccagc	16440
atcactgtcc	catggcgaga	ggtcagaaa	gcaaacaagc	aatgggggta	gatgctgagc	16500
agggaggggc	cctgaagcag	gacctgggga	cagccaagga	caactatttt	gtgagagagg	16560
aatgaaacct	tcgaggtcct	gccacagaag	caagaagcag	aggaaaaggcc	atggagagac	16620
ttaataaagg	gttttacaag	ggtacctgga	tcccaggggg	aagtagttta	tccttggggc	16680
acagtggcag	ggctcattca	gaacgggtgag	taagtgtcag	gtgtgatatt	caaagacctg	16740
gttcttaaca	cgagagcaca	gcgaagggtg	aggtcagaaa	taactcccag	ccactgaagg	16800
aagtatggct	tcagtctgga	gagctcagaa	aagactcgac	cctaggagcc	cacacaagcg	16860
gttatagcca	caagtgaag	ggcattagg	acaggaagct	aaggattgag	taaggcagtg	16920
gggaatggtg	ggagccagca	gttacaagc	tttactcacc	tggatgggct	tgtaaaaaca	16980
cagattacca	gccccactcc	ctgcattctg	actcagtagg	tccgggacgg	aaacaaaaaa	17040
aaaaaaaaaa	aaatctgcac	gtctaactag	ttcccagacc	taacagggtc	ccagatcgcg	17100
gtgacactgt	ctgtctgggg	actgcacttg	ggtgaagcat	ctaagcggaa	gagaagctgg	17160
aggaactgaa	aagcacccca	ggttcctcaa	ggaacagaga	aacaagaagg	gaaatgttgg	17220
ggagagggga	cccaggtcca	gactcgaagg	gcttaactct	gggtccaaga	aacgtcattg	17280
gtaactggcc	agtggcaccc	gagagggcaa	cagagatagg	agaaggccat	ttagggaccc	17340
ccaaggaggc	agtggggggt	ctgtagctga	attggcctta	ccacaaaaga	ccaactctct	17400
taagagactc	acaaggcaag	actgactagg	ggagaaaatg	gagcctgtac	ctacaggtgt	17460
ctgctgtctg	ccacctgtcc	tcccaggaca	gggcacctg	gagacacatt	ccacctccac	17520
tgcatecttg	tcttgcccca	gtcatcttgg	gatggttgag	gggacagcaa	cagcatggca	17580
atggacctga	ggctggcccc	cctggagcta	agtgtagccc	aagtgagcac	gtaacctgat	17640
aggactggct	cagactctgg	ccctggctat	acccatccct	gccctcgaat	aaaagtctgc	17700
tgctctgtcc	caggctaaga	agccagcacc	caatggggca	tcgaggccct	cctcccagtg	17760
cccagctcag	agtgggtcca	cgcagagagg	actcaagctg	cctgttgccct	ctccccttcc	17820
atctagcaat	ggccacaggt	ttcgggaacca	gctgggtcac	tctcaaagat	gaggtccacg	17880
cacatgaacc	tgctgggata	ccacgaacac	atattggacc	tgagcacag	gactgagcag	17940
ggtttgaatt	cagagaaaat	cgaggagtct	agacaagagg	ggtgggggtg	ttggtatccg	18000
cacacgaagc	aatggaatgg	agacattgaa	gctgttccct	gaggtcactc	agggcacccg	18060
tgccagggc	acagccagga	gacctgtgtt	ctagcaacca	tgctgattgt	cactaattac	18120
ctctatgact	ctcagcaaga	cctattactt	ctctgggctt	cagcttccct	atctgttaaa	18180
aaaaaatgat	atgttggcaa	actcaataat	gctcaataaa	ctttcaacta	ctgaatgaaa	18240
aaaggtagac	tggtatgcgc	tcaaagtatt	aggacagctg	aggtctcttag	gaccggagaa	18300
cccttttaggc	ggggagttgc	ggctagccag	caggcaagtc	ctggcatcag	atgtaagcag	18360
atgaggcgjc	tcttgtgtac	acagaggaca	caggtctctc	caactgctgc	tgctcttaag	18420
taggcagccg	tggtctgaag	ctcctattcg	gctgctgtca	gagaataatt	aagggcagga	18480
ggaaaaagac	tgaggcccca	gggctgtgtg	gaggagtctg	gtccaaagact	agttcaacca	18540
ggagaaatgg	accagajgag	ggtgtgcacc	agtctggaga	gctcagaaaa	gactcgtccc	18600
ttggagctct	gtgaaagggg	caaagctcag	ctggaaactca	ccctctctct	tcttaggtcc	18660
cccttcccaa	atagaagccc	cattaggact	tggctcagca	cagacatttt	ggacaacaga	18720
tgggaccccc	gcacccccc	atgcagttgg	tgggttaaaa	ggcccaagaa	gggacagatg	18780
gtgtttatgg	tgggaagaga	ggcccggggt	gtccagcaac	cacctacta	ccacccaccc	18840
cccacccccg	atgctgcctt	ttatagcttc	accgcaagag	aagacacaac	aggcctcgat	18900

tttacaaaac	cagttttat	acatttttaga	aaaactagtt	tgaggacagg	aactggcctt	18960
cctacaacat	gagtgtggga	ctaagaacgg	cagccaggaa	acttgaggga	aggtggggac	19020
aggggagcca	tgtctccac	tctaggtgat	ggctgggtcaa	ataaattaaa	ggtgggctgg	19080
acagagggag	agggatatcca	ggcaaccaga	ggaggggtgg	caactggctgg	aagacagtca	19140
acacctgcaa	gaactggaaa	gagcatgtgg	agtcggctga	ggaagaggct	ccctttgacc	19200
cttaccctgc	tatacgatcc	tgcaggactg	tgaagctggc	tgcttctccc	cctgatgggtg	19260
cccaggtaca	gctcagcaca	ggaagcctga	ggaaaggcag	ttcctttccc	tcaccttggg	19320
gtgctacaga	tcaccgcttc	cgcatcctct	tcataaagca	gcaggtgatg	gtagccaggga	19380
cgctggcgcc	ggtaactagg	gcgactcctg	taccacccaa	caggggcaca	aatagggtat	19440
ccacagctgg	cagaaaagaa	gacaggctct	gctcagagag	taccacggta	tctgacactc	19500
tcccctgcag	atthttctaga	ctcagccctc	cccaaggagg	agctgagcgc	cagtcctgoc	19560
tacctacact	tcacacacaa	acacaacccat	cccccatccc	ccatccccac	ccctccccc	19620
cggctctcagc	actcaggccg	gcttggggcc	cttcatgcaa	agggatgtgg	aaaaaggatt	19680
gcaagggaag	acaggaagat	ggaaaggggc	aaacagagca	ggaacagggtg	ggtagatggt	19740
ggctgtcact	caccatgcgt	gtaggggtag	actgtaacag	gcccggagcg	cgactgcct	19800
gcttggtacc	agctgtagtc	cgcatgctgc	accaggcac	ttggggcaca	gtggtatatg	19860
ccttcactct	caggccccaa	gccatgcagt	cttagccgat	gacttctggg	tcccaccagc	19920
tccacactga	caggaccccc	tccaggccgg	actcccagct	ctgccacacc	gtcctgaccc	19980
actccaccca	caagctgagc	agggccagag	ctcagctcgc	cctcctctgg	cctctccacc	20040
caccagctgg	ctgctagtcg	cagccctggg	gggcccgcgc	gcacagagat	gttgcatagc	20100
agggaggccg	tctctccccg	gtacacagtg	ccccctgcta	gccacgccac	ggcctctagc	20160
accacgcctg	cagagcaaag	aacacggggg	ttaccagggtg	aaggcccagg	ggctaagagg	20220
ttaggaaata	aattctataa	gttctgaacc	ccgtcaaggg	ctcaacatcc	tcttaccttc	20280
ttctctcaca	tgcacaggga	gaggccggga	acgagcactg	gccgcttcac	gaagtcgggt	20340
cccagacctc	cgaacatagg	ctttggcgag	gcagcggtag	gtacctgcac	cagcgggcct	20400
ggcagcctcc	agccgcagtc	ggtaggttct	ggatgctact	ttctccatgg	caatgtgcgc	20460
gtcctcatag	ccaggggcca	ggctgcctat	accttccgtg	tctagctggg	ccaccaggcg	20520
gccgggtcca	ggagccctcg	cagggggccat	ctcccagccc	acagagtacg	cagcatgacg	20580
gcttggtggg	ggcagtgcac	cggacacatt	gcacagcagt	tctaagggtt	cgccctgggc	20640
aatccgacgt	tcaccaggtc	ccacggtcac	cgccagctgg	ctggctgaaa	cacagcagga	20700
gatgggagga	gtcactgaga	tgcttgggccc	ccccacctgt	aattcttctt	tgcagaaatt	20760
tagaggcctc	ttatatctcc	ctcaccocag	gacccgaatt	tcaccttccc	ccccatagcc	20820
tttgatatctc	catgcttggtg	cggcactccc	gatgcccac	tgagagacac	cccccccccc	20880
ccagtgggct	atgctgcact	cacatagagt	ctgcacatca	acatgagcca	ggactgcctt	20940
cttctctgcg	acctggaccc	aggagccgtc	aggatcctga	atccactcag	cgccgttaca	21000
gtggtaggtg	ccgagctctc	cagcctgggc	acccccaaac	accattcgggt	acgatcagt	21060
cccttccctg	ctcagccgaa	gctccccaga	agctagcctc	tcagcgtagg	ggcctccagc	21120
ctccaccgoc	atgtcggagc	gcagtcocac	tacttccctg	agagtggctc	gcccactggg	21180
cgcctccgga	atggtctctc	caaaggacac	cgacaggtgt	gtgtgtttct	ttgttttgggt	21240
ctgagccagg	cagcccagcg	caagctcctg	ccctcctgtg	actgtgaggc	gtgaggggga	21300
ggtggcagoc	tgggcgcctc	ggggccctgg	aggggcagca	gatacctgca	gctcatctgg	21360
aagaaactgga	gagaaaggct	ttagtggagag	agggcctggga	gcagcatccc	tctgtttccc	21420
tgtgcgtatc	ctgtttcact	acacaactctc	taggctctcta	gaatgttaaga	actgtgtctct	21480
gtagcttttc	ttctataccg	cagagatgoc	aagcttgggtc	tgggcacatc	aagatattca	21540
ataactaact	gctgaaagtc	acagagcaag	cctactgac	cctactctga	tgtctaaagac	21600
tgatccattt	taataactca	aaaaaagttaa	tctgtctctc	cttctctaaa	gataaagagg	21660
ctggacctga	tgggtgcggc	ctataatcgc	aactacccag	gaagctaagg	cagaagagtc	21720
aagttcaagg	gcggtctggg	ctacagaaca	agttcagtcg	tggctctggc	aacttggaaa	21780
gtttctgatt	cagcccatcc	ccccccccaa	aaaaaaaaaa	aaaaaaactgc	tggaaagact	21840
ggcttgatgg	cactggagct	gacacaatac	tgcctgagct	acacagtga	ttgtgggagt	21900
tttgtccaca	gtttcaggcc	aacctaggct	agttgttaagc	tagcctgggc	tacaagagtg	21960
agccctcaaa	aaacaacaca	gggaatatag	cttagtagag	tgctcccttg	gtatgttcca	22020

tgctgtaggt	tcaatttcca	gtactgagaa	gatgggggtg	gggggagaag	aggagaagga	22080
agaagatgac	agagaaggag	gaagacgaag	caaaaataga	tctgagcgtg	ctggcttata	22140
cctataaccc	cagtgcctgt	gaggctctct	caccacctag	ctcagagccc	agtacctctc	22200
agctccacct	tggcactgta	gttgcccagg	tactgcgtat	ccgtggaggg	ggtgtagcac	22260
tcataaaaagc	cagagtcctg	ggcctgcagg	cgagcaatct	tgagcaccac	cgaatctccc	22320
ttcaggcgct	gcacctgcag	gtcaccagat	gccacacgag	gccccaaagac	agcataggag	22380
aactggctat	ccttggtgct	gacaatgccc	agggacgtag	ctggggcctc	tgggtctgtac	22440
atgaaccact	cgaagtcttg	ctgggcaggg	ccctcatagt	cactcacggt	gcaggagata	22500
gagacagcgg	tgccagccac	ccggtaaaga	ggtcccctgg	ggacatgcac	ctgccggggcg	22560
tagcacctgg	ttcctgtggg	gtaaaagcag	aaagaactgg	aatcttttta	gagagaacga	22620
gtccccactt	gatggccagt	atcatcagca	ccattcttga	ctgctgcctg	tgaaggaaag	22680
ggaaacctag	ggatggttag	aacatagctg	ggcaaagaca	cagatgggaa	cacaagatgg	22740
gacacgagac	accagcatcc	cagcacatca	cgtaggttca	gatccacctg	aacagaggaa	22800
tactctagct	aactagaggc	agagcaccta	catgaacaga	ggagtccttc	cggagtctgg	22860
ggtatagaca	gccccgtaag	taaaatgctt	tccatgcaag	catcaggacc	tgagttcaat	22920
tccccgcaac	tatggaaaaa	gcttggcacg	gtggctgggtg	agtagccaca	taagcctgac	22980
aacctgggtt	tgagccccac	aagggaagga	aggaaactgaa	tcctgaaagt	tgtctcctct	23040
ctctctctct	ctctctctct	ctctctctct	ctctctctct	ctcacacaca	cacacgcaca	23100
cgcacacgca	cacgaataaa	tgcagtggac	ggttctctgag	ccatgacccc	tgaggttgac	23160
ctctgacctt	tacacagaca	cctgcaccca	tgcatacatg	tggaccctca	tacgcatgca	23220
attgaaaata	acaaataaaa	gaagcatgcc	tgattcccaa	ctctccagct	cgtggctgga	23280
tctttatcgc	tcctaccctg	ccatgtgtgg	cgtctctctcg	ggctcagaaa	gaacttctag	23340
ctaagggatt	ctgagccttt	tgctggaggg	gagctgacaa	catcttacag	aaaggctgct	23400
tggcttagct	ctgtcacctg	ggctagacaa	tggagccagt	ggcccaggtt	ggctggggta	23460
ctgcactgga	tggggcacca	tgctggacag	ggcacggacc	tagtcagtc	tcactacaca	23520
ataccctccc	cactacagct	gtgccatgag	ctcactgctt	ctcccagccc	acaaggctac	23580
acaggcagct	gtggcttctg	gggcaagaa	caggctctgc	ccaggcctgg	ggcagaagat	23640
cccttccccg	cccccagaat	ctgtcaacct	tctcgctaac	ccagatgatg	cactatgcac	23700
agccccccaa	acaaaagctt	tcattttacat	atgatttgcc	tatctgcgca	gcattttgcat	23760
agacctcctt	ttaataagga	gacccccaaa	acctgctgcc	ccttccccct	tctctctctc	23820
tccctccctc	cacctttttt	accccaccac	tgttccaaca	gacagccggt	tccaaaacct	23880
tggactgttc	agcttctttc	tctctctccac	tacttctagg	taagaccgca	gaaccttaga	23940
atgcaagacg	ggctgtcaat	cattctctcag	atgagagaaa	tgaagaaact	cccagagagc	24000
acctctaggg	agcattgcca	ctaggtttct	accacagatg	tgagtctaga	gtctctctccc	24060
agccaacacg	gaaggcctgg	ccgtgagaa	catctctctt	ctagatgaga	aaagtaaagt	24120
gaaatgtgac	attgtggcca	agtccttgcc	ctctctggag	ggcctctaca	cacctctgaa	24180
gagggacaaa	accaagaagg	cggagatgct	tccaaggaga	gcccgtggtt	acaaaactgt	24240
aatttcccg	atttccagg	gtaagtccac	agcttgctac	tggccctgga	ggaaaccacc	24300
caagagcctg	agagcctgct	ctacagttct	cgtctcttct	cttcttctgg	ctacgtccag	24360
cagagaacac	atgaccaccg	cctgaagcag	aggttagagt	cagaaaagcca	acatgagacc	24420
aaccttttcc	tctcctggat	ctcagtttct	atctctcaga	aactaagagct	cccagttctg	24480
atgttgaaac	cgtgagtata	tgtgtgtgac	tcaggacacat	atcgtctccag	gcacattttca	24540
taatcaggag	gatggttaag	gcagccaagc	tjacaccatc	ctggctgccc	atgggttaaac	24600
tctgctgaga	aggtccctct	ccaccttctt	ggctccacac	aagctgatgc	ctggagatcc	24660
ccatgggaaa	gttgtcccca	cagcctcagg	acataggctg	ctacaagggtt	ctcaatggct	24720
gggtgctctc	cttcttaaca	gcocaaaggtc	tgttttgaag	tcagttctga	gttccaaatcc	24780
accccccacc	tcactggata	cacagtggta	tttccagaca	tctgtgaagt	gaatgcaggt	24840
gctggctgca	gtgggctaaa	atjacattca	gctcctctcc	cgcctctgaa	taacactcac	24900
tctcccaaac	cacctctggg	ctcatccttg	ctgggtttaa	gccccaaagga	aaagaagcaa	24960
tctgtaggca	accaagcccc	acagctcctt	caactcctta	catcactctg	cctcccgctt	25020
tgttcccaaa	ggagttttca	tcttggcccc	agaagcccaa	ggaaccattc	tgtacaacac	25080
tgcacagttc	tggataaaaa	cagagaagga	ggttgggggtg	ccccactata	gtatcttctc	25140

catatgcata	tcacacacac	acacacacac	acacacacac	acacacacac	acacgttcct	25200
ttcaagggct	tcagtctcct	ggcaactgct	ccatgccata	tctttcccag	accacctcct	25260
acagggagcc	ctccaagtca	gaccccaaac	atggtaatgt	tagcaacctc	cacaggcctc	25320
aacacacaca	cactcacact	cacacacaca	caccagacat	gacgcaaggt	tggcccagaa	25380
aacacacccat	cataaacacc	caccaggaca	gacactgggt	gcttagagat	cccaggttca	25440
gtttccatgg	agcctagttt	ctcctgaggc	agggatgttg	ggaccaactg	agtctgacaa	25500
ccaggcaaat	atctgggagc	gtggaagggc	aaagagggaa	ctggcccagg	gtggagacac	25560
gtgaggggaag	aagcctcaga	tggtgacatg	ttatatggg	aggtgggggt	gttggggaga	25620
cttttttcag	agatcgtggt	cagaatcagc	ccctgggcct	ccagccaact	ctgggcaatt	25680
atgaagaccg	ccaggcactg	cccacgcaga	gcaaacaccc	aaaaccaggc	cttgagccga	25740
gagtggggca	gaaggttgct	acggtatttg	gtagcaacga	cccagacgc	tgggtgtaac	25800
cgatgagaag	tggtgccctg	ctccggaggc	ccgatggtgt	ctcaggggat	acctcagtag	25860
gtcgcgccata	tgccccagct	aggaacctag	agcgaggaca	ccaccacctt	ccccataact	25920
gattggggcag	acaggcgcaa	aaggaagcga	gacgccgagc	ccagagacag	tggaggcacg	25980
tctgtttggag	aagtagggat	gcaaccagct	ctgaaatgct	aggaaggtgg	gctggtgggc	26040
tgcactatgt	taggcacctt	cccggccggg	acagggacgc	ggcgaccacc	acctggctta	26100
ccaagtatta	gcagcagcag	caggagcgaa	ctcagcgggc	tggggctagg	gacgcccatt	26160
ctgcgtaggc	ggctctgggg	agactcctgg	gggcggcgta	ggctctgggg	ggccagggcc	26220
gcgggggggcg	catgcccagg	tggggggcag	aaagcggagc	agtgaagcgt	gggtgcgcag	26280
agcccagccg	agcgggagcc	gccaaactcc	cgccctccac	ccttcttccc	ctcctccctc	26340
cgctcttccc	gccctccgca	gctcggggaga	ccagtccag	ccgcgccccg	ctgcccggcc	26400
ccgccccccgc	ctcgccccgc	cccaggccgt	cgctctggcc	agacttcgac	cctgatgggtg	26460
gctccgcctc	tggcctcagg	ctgggcgaac	tggcggcacc	tgggctcctc	tatccccatt	26520
tctctgctca	gagggcaccc	cgccctgcac	ctgccagcct	tccagggaga	atgggggtgct	26580
ttcagggcct	ctgggggatgc	atgatgggggt	gactgtgggt	acgcactcag	aatccaattg	26640
gg						26642

<210> 26

<211> 2267

<212> DNA

<213> Mus musculus

<400> 26

ctgagctgcc	gttacattca	ggagaaacag	cagtgtcggc	ggctcccaat	ctcagaggga	60
acctagggta	ctggggggaga	tgggtgtcagg	gacatggacg	ccaaccccca	agggttttctg	120
ctgctggcta	ctctttctctc	caggctctac	ttctgttcat	acggtccata	tctcctaggg	180
gacctgaaa	gcctaggaac	cgactctggc	catccatctc	tccgggaaga	ttataaccca	240
gagtgtctct	caggggggaa	gaatttgaa	caaaaccaga	ccccgcagga	tccccgctgc	300
ggccgcacatg	ggcgaggaga	acgcgccttt	ctctcccggg	tggaggagac	cgccacgcgc	360
ccgcggctgc	cagcgctacg	tggagaagga	cggtcgctgt	aacgtgcagc	agggcaacgt	420
ccgcgagacc	taccgctacc	tgaccgaact	gttccaccag	ctgggtggacc	tgcagtggcg	480
cctcagaactg	ctctttcttctg	tgtctgccta	cgcgctcact	tggctcttct	tgggtgtcat	540
ctgggtggctc	atcgctacg	gtcgcgggcga	cctggagcac	ctggaggaca	ccgcgtggac	600
ccgctggctc	aacaacctca	acggcttctg	ggccgccttc	ctctttctcca	tggagacgga	660
gaccaccatc	ggctatgggc	acggcgctcat	caccgaccag	tgtcccgagg	gcctcgtgct	720
gctgctgctg	caggctatcc	tgggctccat	ggtgaacgct	ttcatggtgg	gctgcattgt	780
cgtcaagatc	tgcagcccca	acaagcggcg	cgcactctc	gtctttctct	cgcacgcctg	840
ggtgtctctg	cgcgacgggc	gcctctgtct	catgtttcgc	gtggggagac	tgcgatcctc	900
acacatcgctc	gaggcctcca	tccgagccaa	gctcatccgc	tcccgtcaga	cgtcagaggg	960
cgagttcctc	cctttgcacc	agaccgaact	cagcgtgggc	tttgacacgg	gggacgaccg	1020

cctctttctc	gtctcacctc	tcgtcatcag	ccacgaaatc	gatgccgcca	gcccccttctg	1080
ggaggcatcg	cgccgcgccc	tcgagaggga	cgacttcgag	atcgtagtca	ttctcgaggg	1140
catggtggag	gccacgggaa	tgacgtgcc	agctcgaagc	tcgtacctgg	tggatgaagt	1200
gttggtggga	caccggttca	catccgtgct	caccctggag	gatggtttct	atgaggtgga	1260
ctacgccagc	ttccacgaaa	cctttgaggt	gcccacaccc	tcgtgcagt	ctcgggaact	1320
ggcagaagcc	gcggcccgc	ttgatgccc	tctctactgg	tccatcccca	gcaggctgga	1380
tgagaaggtg	gaggaagaag	gggctgggga	ggggggcagg	tgcgggagat	ggagctgaca	1440
aggagcacia	tggctgccac	cccagagag	tgagtccaag	gtgtgactgg	tttctcccca	1500
ccccctgtgg	cagaccaggg	ggccggactc	aggtacacag	aagctgcgag	tggaggtgga	1560
agaagaggag	gcaggcagtg	tcccagagg	cagctaaagt	tgggagaggc	ccgctgagtc	1620
caggatcgag	tagggaaggc	tgaggtcctg	gtttgaagag	agagggttgc	agggcggggg	1680
gagagaacat	gtcagtctgt	ctgtgtttga	ccttcacatc	ggttcatggg	tggatggatg	1740
gacagaagga	tgggctcatg	ggggttgatc	gggaagggtg	agcagataga	gacagccaat	1800
ggataatcgc	tcaggtggta	agtggcttgg	cagtcgatga	tcgtcacctg	cagcacacct	1860
ttgtgagaaa	tccatgggca	tccttttctt	ccagatatag	gtagcctcaa	accagggagc	1920
gtggcttagg	gagcaggctg	tcaggtggac	taccaccccc	actcacctcc	cctcaactgg	1980
cctccctgat	gtgtgacacg	cctgcctaac	tagagaagag	agcactgggt	agaggtggac	2040
acaggtgtgg	ctgccctccc	cagtatcact	gtcccattgg	gagaggtcag	aaaggcaaac	2100
aaacaatggg	ggtagatgct	gagcagggag	gggccctgaa	gcaggacctg	gggacagcca	2160
aggacaacta	ttttgtgaga	gaggaatgaa	accttgcagg	tcctgccaca	gaagcaagaa	2220
gcagaggaaa	ggccatggag	agacttaata	aagggtttta	caaggga		2267

<210> 27

<211> 1131

<212> DNA

<213> Mus musculus

<400> 27

atggcgcagg	agaacgcgc	tttctctccc	gggtcggagg	agccgccacg	ccgccgcggg	60
cgccagcgct	acgtggagaa	ggacggctgc	tgtaacgtgc	agcagggcaa	cgccgcgag	120
acctaccgct	acctgaccga	cctgttcacc	acgtcgggtg	acctgcagtg	gcgcctcaga	180
ctgctcttct	tcgtgctcgc	ctacgcgctc	acttggctct	tcttcgggtg	catctggtgg	240
ctcatcgctt	acggctcgcg	cgacctggag	cacctggagg	acacgcgctg	gacctcgctg	300
gtcaacaacc	tcaacggctt	cgtggccgc	ttctcttctt	ccatcgagac	ggagaccacc	360
atcggtatg	ggcaccgcgt	catcaccgac	cagtgtccc	agggcatcgt	gctgctgctg	420
ctgcaggcta	tcttgggtct	catggtgaac	gctttcatgg	tgggtgcgat	gttcgtcaag	480
atctcgcagc	ccaacaagcg	cgcgcgaact	ctcgtcttct	cctcgcacgc	cgtggtgtct	540
ctgcgcgacg	ggcgcctctg	tctcatgttt	cgtgtggggg	acctgcgata	ctcacacatc	600
gtcgaggcct	ccatccgagc	caagctcctc	cgtcccgctc	agacgtctga	gggcgagttc	660
atccctttgc	accagaccca	cctcagcgtg	ggctttgaca	cgggggagca	ccgcctcttt	720
ctcgtctcac	ctctcgtcat	cagccacgaa	atcgatgcgg	ccagccctct	ctgggaggca	780
tgcgcgcggg	ccctcgagag	ggacgaactc	gagatcgtag	tcattctcga	gggcattggt	840
gaggccacgg	gaatgacgtg	ccaagctcga	agctcgtacc	tgggtggatga	agtgttctgg	900
ggacacccgt	tcacatccgt	gtcacccttg	gaggatgggt	tctatgaggt	ggactacgac	960
agcttccacg	aaacctttja	ggtgcccaca	ccctcgtgca	gtgctcggga	actggcagaa	1020
gcgcggtccc	gccttgatgc	ccatctctac	tggtccatcc	ccagcaggct	ggatgagaag	1080
gtggaggaag	aaggggctgg	ggaggggggg	aggtgcggga	gatggagctg	a	1131

<210> 28

<211> 27684

<212> DNA

<213> Homo sapiens

<400> 28

ggagtaggag	aaagctatgg	catttttagga	aaattaatcg	ggaggtgaca	aaatagtttg	60
aaccaagtgg	atatagtagg	caagtagacg	atagaaaata	attgcaataa	tataagcatg	120
aagagatgac	agcccaaatac	agcgtggcaa	tggtgaaaag	tggaacacag	aaaatgaatt	180
ggagtacaga	aaaatcaaaa	gaaaatgaaa	aaagtttgaa	gccaaacttg	catgttgagc	240
aaaagaggga	agcttcagag	atcatactag	agtctcaagt	caggtgatca	gaactgcgag	300
gtcattcacg	ggcatagggg	agcctggggg	ggatcacacc	tggtgaggag	actgaggtgg	360
gggaagagga	agtgatgagt	tcagagctgg	aagctgtgga	gaggggtcag	aaccagagag	420
agaaaggagg	tcattgctgc	cagggcagtg	tgagttgaag	ctatgagaac	agggtagatc	480
ccaacaaaga	ctgcacagag	aaatgagagc	ctggcacaga	gagtgaggaa	cacctatgtt	540
taggggatgg	gaagaagaag	gacccccaaa	gagtgaagaa	gaatccacca	gacaggcagg	600
aaggagacaa	agaaagtggag	atgtcatgga	gctaaggaag	gagagactgt	taaggaggag	660
gttctaacag	tgccaacaag	tacagagaga	agaggcattg	ggtttggcag	tgacaaagtc	720
tctagtgaca	tttgagagca	atttcagaag	agtgaagcaag	gtgggaacca	gattacaagt	780
taccactaga	aagtgagaaa	ctgtcagcaa	gtataggtta	cactttttgag	aactctactc	840
atagagagga	gagaaataga	aaccagacaa	tgtactagaa	acaggccagg	ccaggtgggt	900
catgcctgta	atcccagcac	tttgggaggc	caaggtgggt	ggatcacctg	aggtcaggag	960
tttgagacca	gcctggccaa	catggcaaaa	acccatctct	actaaaaata	caaaaattag	1020
ccgggcctgg	tggcacgcgc	ctgtaatccc	agctacttgg	gagactgagg	catgtgaatc	1080
gcttgaacct	gggaggcaga	ggttgacgtg	agccgagatc	acgccactgc	actccagcct	1140
gggggacaga	gctagactct	gtctccaaaa	acaaaacaaa	acaaaacaca	aaataaaaag	1200
aaaaagaaac	agtcttccag	tttttcttct	tcacactccg	aatgcctctc	cttccctaagt	1260
caatatggat	gaggggctgt	ggtgaggtgg	tctgagggcc	agcctgcaag	actggtataa	1320
gacctttaag	tttcaaaaaa	taggacatcc	aaaagatcct	taagggggcc	acagtcttga	1380
cattcacaga	cagagaggac	ttaggcaggg	gtgtccaatt	ttttggtttc	cctggggccac	1440
attggaagaa	gaagaattgt	cttggggccac	acataaaaata	cactaacact	aacagtagct	1500
gatgagcttt	aaaaaaaaaa	aatcacaaaa	aaaacccctca	tgatgtttta	agaaagttta	1560
caaattttgtg	ttgggcctca	ttcaaagctg	tccctgggctg	catgcagccc	acaggcggtg	1620
ggtttgacaa	gcttagcttg	gaggctctgg	tggaactcca	aaataaacat	gaagaacacc	1680
acagaagaga	aagcaaaggg	actgtaatga	tttatggatc	attaacagac	attttattgtg	1740
cacttattat	ttttccaaaa	atgttatcca	tccatttagc	ttcaactacc	acccatgtgt	1800
caatatgtcc	agcccacccg	gatatccatt	tcaaaactcaa	catattttaa	gtcgaacatg	1860
tcaccttgct	cacaagagtg	ctcctctcca	tttattctct	accatggtag	atacaactatc	1920
atcacccaac	cagaaaacatg	gcagccatcc	tagattcttc	aatcttcttc	acctcatctc	1980
ccttattgaa	tcaatgcac	tgtattctaa	atagcctcaa	tattgtcccc	ttcctctcta	2040
ttccactatc	attgctgtag	tctaggacac	cattacctct	caccaggtaa	taatagtttg	2100
gatctttgat	cctgctcaaa	tttcatgctg	gatttttaatg	ccaatgctgg	acatggggcct	2160
ggtgggagg	gttttgatca	tgggggcagg	tccctcagcg	gcttggtgct	atcttcatga	2220
tagtgagtc	ttgtgagatc	tgggtgttta	aaagtatatg	gcaacatccc	ccatcatcaa	2280
ctctctcttg	ctcctgcttt	tggcatgtga	tgtgcctgct	cctgcttttg	cttccaccac	2340
gagtaaaagc	ttcctgaggt	ctcctgagaa	gctgagcaga	tgteagcacc	atgcttctctg	2400
taaatcctgc	agaactgtgt	gccaattaaa	ccttttttct	ttataaatta	cccaactctct	2460
gggttttttt	ttttttaatt	tttaattctt	tttttttttt	tgagacaggg	tttcaactctg	2520
tcccttaagc	tggagtgcag	tgggtgtgatc	acagctcact	tgtacccctg	aaactcctgtg	2580
ctgaagtagt	cttctgtcct	caacctcaaa	cgtagctgga	actacaggtg	ttcaaccatta	2640
caccagcta	tttttttttt	tttttaactt	tcagtagaga	cgaagaatcg	ctatgtagat	2700
caggatggtc	ttgaacttjt	gagctcaagc	agtcctccca	cctcagcctc	ccaaaatgct	2760
ggattacagg	cttgagccac	catggcctat	ctcaggtatt	tcattatagc	aatgcaagaa	2820
tggcctaata	caccagggct	actgcagcag	ccttctaaact	actctccctg	cctccagctct	2880
tctctcactc	taataattct	ttggattatg	aattttcttta	tttgaaagta	attaagcacc	2940
agtaaagtac	atctctctga	aacacacatc	tgaccgtacc	acttccaagt	ttttaaaccct	3000

tcagtaactg	ccaactatct	ataagtaaag	tccgagttcc	tttccctgga	agagaaggcc	3060
tattataacc	tggacctggt	gccattccag	ccttatcttc	ttccactgcc	cctatacacc	3120
caaagctaca	gctacttctt	ttaacactca	aggttcagcc	ttatgtttct	tttctgtgtc	3180
ttgccccttg	agcctttgtc	atttacatag	ctccaacgat	tgtccctgag	tgatgcccac	3240
atctctatct	tcaatcctac	actctctttg	gagctccata	tttctagtgt	cttgccagggg	3300
atttccatct	tgacttgaca	ggccccaac	tgaactcagt	accttccctc	ccaaagggtg	3360
aagtgtctgt	gacttcccta	gttctgtgtt	actcctggtc	aattagaata	aaaaactaca	3420
agtgcacctt	actcttcacc	gttgcccttg	gccatttcc	ggacatgtca	aataagccaa	3480
caaatgctgt	caagtctccc	tttctttcat	ctgtttgcaa	tgtgcttttt	cattcctatg	3540
accactatca	gaatcagaaa	gatcaggacc	tgacccatcc	ttcacctttc	tctccagtct	3600
caaaggaaga	ggcaacctgt	tttcatcatg	tccgtccctg	tgcccttggt	ttaaaacccc	3660
aaacagttgc	ctcgtgctta	caggtcacag	tgaaggagg	cttcaccaca	gaagacctag	3720
aaaaaaaaaa	aagaagataa	aaaacgtgac	aggccctcag	actgaactcg	gcattctttc	3780
ctctgaggct	ggaagtgtct	atgacttcc	taattctatg	ttactttctg	tcaatcagac	3840
taaaaaacta	caagtgatct	acagaagtgt	cctctactaa	caatcagagt	gaggatagag	3900
tcgggtggga	ctgggcagtt	agaaagactt	tataagtcct	tgaacagcag	gggtgggagc	3960
ttgtggaaaa	gtacacaggt	agcttcaaca	gcactgtaat	gttctgaatt	taaaagagt	4020
acttaaattg	agtttttggt	cttaaattat	gctttataac	atatagacat	atgtccacca	4080
tctatattct	tttgtacata	tcaaattgtc	ggttttcatt	tttaaatttg	tttgcaaaag	4140
agaagtccca	ggacagtctc	taggagccca	gtaggggaat	agtaataagg	ggcataggac	4200
actaatatct	gtgagtgttt	actacatcag	atagatcaga	agatggggaa	actgaagttc	4260
tgaggagtta	agtgttttgc	ctatggtaac	atagctggaa	agtgttttga	gatttgaatc	4320
cacatatatt	tgaccccaaa	gcttgtctca	gaataatgcc	agagggaatt	tgacgttttt	4380
aaacacaatc	ttgccaaacca	gaggctatga	cccttgagta	catgttggtg	tgaaaaaattc	4440
cccagaatta	caacatccaa	tgtccaccat	gaaacatgac	agaggaaact	tctctttttg	4500
aagacccttc	tctcttcttt	cagtttccca	acttgctgtc	tctttattct	cctccatttc	4560
tcttttcaga	ctcactgctt	ccagcttttg	cctcatctct	acttttactt	catttgtaat	4620
ggggcagagg	ctacctcaga	gcagaggagg	aggagagttg	gggcgtgtca	cctgttttag	4680
aaagaatcca	caagtgggca	gcagtctgag	gggcttgccg	tgggcaaagc	agatgtggac	4740
agagggaatc	aggaaagctt	tgggttggga	ggcatgatag	agactcagaa	tagtcagtat	4800
ttaacaagtc	aggggaagt	gctagaaaag	acagagacac	tggcatggct	caccacagga	4860
ttcaggattc	caagtggcgt	tttgggtgtc	acatcccaca	gtgcggaaca	aattccatta	4920
gtagtggagc	atctcatagc	tgaatgactc	aggccgcaga	ggagaaatcc	aagagaagga	4980
ctgagctaca	ttcccctagt	cactaacgaa	tcattatgta	agtagatcac	cccccttaaa	5040
taaatgcaat	atacacaac	ccacatttat	aagacataat	ttagggaata	cttagttacc	5100
tactaaagaa	ttctttccct	taaaaaagaa	aaacatggcc	aggcacgggt	gtcctatgct	5160
gtaatcccag	cactttggga	agccaagggt	ggtggatcac	ctaaggtcag	gagttcaaga	5220
ccagcctggc	caacatgggt	aaaccccac	tctaactgaa	atacaaaaaa	aaaaaaaaaa	5280
ttagccaggc	atagtgtgtg	gtgcctgtaa	tctcagctac	tcaggajggc	gaggcaagag	5340
aatcacttga	atccgggccc	tgggggttgc	agttagcgga	gatcgcgcca	ctgcaactca	5400
gcctgggcaa	cagagcggaa	ctctgtctca	aaaaggaata	aaaaaaaaag	aaaaaagaaa	5460
aaaacaaatt	tctctaaact	gggacttcta	gtacctttcc	agttgggtcc	aattgataga	5520
aattccatta	acatccaatg	cactgtgata	ggaggagggc	aactgggaat	aaagaaacac	5580
gaggaatctc	gagtgagggt	gcctgagtct	tagtcttgac	tatgttcttg	ggacctatcc	5640
ctacctgtaa	agtaagggtc	aatcctgtac	cacctctaac	cgctatataa	cttttaaaatc	5700
ttagccctatc	tctacccagt	cctataaaag	aagatagaac	tctgtgtgaa	ggcttctgat	5760
cctcctgtct	tgttgaaagt	agccagaaag	gcagcaagct	cctcagcctc	aggaacccag	5820
cctgaggcga	ggggctggct	gaaattgctc	cctgtctggc	tggagctgtg	ctctgcttct	5880
ccccatttca	ctctaattct	cagcttcagt	catttgcac	atctactcct	tcaaccatat	5940
ctttcctctg	ctctgagttt	tctagagccc	catcccctct	gaattttatac	aaatttttgc	6000
aatcaaccag	attggcctcc	ctgctccact	aaactcatat	cctcaactgt	ctgctgtctt	6060
ccccatcatg	cttccctctc	cacttgccag	attttgcaca	agatgtctca	tgatcttgtc	6120

caggggaagcc	tccccagttt	ggctgatctc	agggctgcca	caaaggcacc	tgctgatggg	6180
gcaagttgag	gactgaactg	cattcagctt	gccaatctct	gcacccagct	cagagctgtg	6240
tctgctggag	gaaggggaacc	ttttattttc	tcccaaaagt	atcacctggt	ccctgttctc	6300
caagtgcacag	gccacagtag	gctcttttta	agctcttttc	ctattttgca	ccacggttcc	6360
cttttttttt	tttttttttt	tttttttttt	tttatgagac	aaggtctcac	tctgttggtc	6420
aggctggagt	gcagtggcgc	aatcacggct	cactgcagcc	ttgagctccc	aggctcaggt	6480
gatcctccca	cctcaacctc	caaggtggct	gggaccacat	gcacatacca	ctacacccat	6540
ctaattttgt	attttttgta	gagacagggt	ttcgccatgt	tgcccaggct	ggtctccatc	6600
tcttggttcc	aagcgatccg	tgcacctcag	cctcccaaag	tgctgggatt	ataggttcga	6660
gccaccgtgc	caagccaaaa	gctagaatct	tgtctatgct	tttgtgtcct	ggtgcctggg	6720
aaaacttttt	ttctcctgcc	tcagttcagc	tcagtataaa	ataaggaact	gaggttagat	6780
aacaggtaaa	gtctaggacc	tgcaggatga	gtgaatcagg	tgagggagtg	gtagtcttct	6840
tccttgctcag	ccaggctagg	ttcaggggca	cctggactga	ggcgaggggc	tggtgaaat	6900
tgcttgttg	agggccctgc	cagtgatgcc	ccctccagca	aatagggcca	gctctatgca	6960
aatgtgttct	tgcccaggag	tttggtttct	tctctctgag	ctcctggcac	agtggaacca	7020
atgtgagcag	ctgcttgga	ggacagagaa	gggcaggcta	gcagtcccaa	agctcgggtg	7080
acaggaccag	gcccaggaga	cggggatggt	gactggggct	ttaacagcac	tcttgatgcc	7140
aatctcgggc	tgaaaactcg	atatttccac	ttggaacaac	aagaatcacc	agcaagagag	7200
ctgaggagag	ggcagtatac	cgggggcgcc	ccctgcaggc	ctcacagggt	ggtgccagaa	7260
cagaggaagg	tgccacaggc	agggtggggc	tttcaggaca	tccctgagat	gatggtgatg	7320
acggtgacaa	tgatgatgac	catgaagaag	acaatgagga	ggaggaagag	gaagacagta	7380
gctagcattt	actgagtact	aacaatgtgt	caggcattgc	cttatgtagt	cttcatgaca	7440
accctctaag	agatgaataa	tatggttttc	ttttttttag	atgaagaatc	tgaggtttta	7500
cgggttaaat	aattgctcag	gttcacccag	ctagtagtg	acagaggtg	gatttgaacc	7560
caagtcattg	cctcctgagc	ttatattatc	cagtaccgaa	tttcccacct	tgccagggtc	7620
ttccaggagc	ttctagccct	ccgtgtccat	ctctatgtct	tctgtctcct	ctagctcata	7680
ttttcttgat	ccaaatttaa	aggatctgga	taagaataga	tccatatctg	ggatataata	7740
atactgataa	caacagcaac	aacactttgc	gtttgtaaac	cactttcttc	tcttcattat	7800
ttccctgggg	aaaaataaac	aataagatat	ttctgtttct	ccaaattttg	ttctgatttt	7860
tatcagtgtt	cctgaagcta	tttcaatata	gtcatgatca	atattctaaga	atatttttag	7920
gttctgcttt	tttatgtaac	agtgtgttat	atacacattc	acatatttaa	acacagcaat	7980
tattatggct	ttacagtaac	ccatgatatt	aatattccac	agatattaca	ttactgaggc	8040
acactaggct	aaggctgaca	acaccaaagt	ctggcaggaa	tgtggagcaa	caggaacagg	8100
aattcgtggc	tgatgggaat	gcaaaatggt	acagctactt	tggaagaaag	tgtggcagtt	8160
tcctaaaaaa	ctaaacatac	tcttaccata	cgatccagga	atcatgctcc	ttggtatcta	8220
cccaaaggag	atgaaaactt	acgtccacat	gaaaatctgc	cgatggatgt	ttatagcagc	8280
tgtattcatc	atggccaaat	cttgaaagca	accgagatgt	ccttcagtag	gtaaatagat	8340
aaataaaacca	tggccatcct	gaaatggaat	attattcagt	gccaaaaaga	aatgaactac	8400
aaagccatga	aaagacatgg	aggaacctta	aattttacatt	actaagtga	agaagccaat	8460
ttgaaatggc	tacatatattg	acaattccaa	cgacatgaca	ttctggaaaa	ggaaaattat	8520
ggaaacagga	aaaagagcag	ttgttgccag	gggttaggga	agggggattg	actaggcaga	8580
gcatagagga	cttttacagc	aatgagacta	taatgggtga	tacacatcat	tatatatttg	8640
tccaaaccca	cagagtgtac	aacaccaaaa	gtgaacccta	atgtcagcta	tggaactttg	8700
gogattatga	tgtcaatgta	gottcatcac	ttgtaacaaa	tgtgocattc	tggtggatgt	8760
gtggggacag	ggggcatacg	gaaaatctct	ataactttcc	tctcagtttt	gctctgaatc	8820
taaaactacc	ctttaagaa	tcttctttta	aaacaattta	caaagcatga	ggtgatacag	8880
atgtgggagt	ttggctcctg	tctctgcccc	actctgtgac	attcgataaa	ttacttaaca	8940
tgtctctgtt	tcagtttctc	catctataac	tgggaaaaat	aacacctgtc	ttatagagtt	9000
gccatgggga	tgacatgagg	catgtgtctc	gttcatatcc	catgctcagt	gaattagtag	9060
cagcagccac	tgtgtgtttg	tgtgtcttta	tccctcctgg	gttaatgagc	tccttggtgg	9120
cagggactca	cccattctgt	aaccacccca	tctaacacac	tgcttgccac	ttgggctccg	9180
cagaagtttg	ccgagtgaat	acttagtaag	ccctaacccta	ggctttttctc	tctggtggac	9240

atttgggttg	tttctaggg	ttttgctatg	aataaaacac	atttcaaagc	cctttgtgg	9300
ttttttgggt	tttgtttgtt	tggtttttct	tcgtttgatc	tgctgactct	gtgaagcagg	9360
cagaaagggg	atatttgctc	ttgtccacac	cctggtacag	atggaataac	tgtggctcag	9420
ggaagtgaag	tgactcctat	gggacacagt	gcaaatacagt	ggcaataatt	agaacccctg	9480
accctgcctc	ccttccttta	gtagatctat	tttccttcta	gctaccgcct	tctggatcca	9540
tggcctctcc	aaaactagac	catgatggtc	agcctgacct	gagagcagca	cctgcacgca	9600
gagacccatg	ttgaaggtgg	tgagctgcca	gctaccagat	ggccctctga	aaccccgagg	9660
aacctagcac	cttattctca	aatacatgag	ggcttgtatt	ttcccccagg	aaggagcttc	9720
ttaggaaaga	gccagcgtgc	cagctttggt	tttctttctt	cttctttttt	tttttttcc	9780
atgaggggtg	gaggagccaa	gctctgagtt	gtccaggagg	agggactttg	gctaaaaata	9840
gctatggcgt	gtggtttgga	tcaaccccta	gtggtaccca	ggactgggga	ggggaggggg	9900
atgctctgga	gctgtcgcca	gactggttgc	cgtggaaaca	agagaggagc	aggggagcct	9960
gggaagtagg	gatgacacag	atagcaagtc	ctagtcagag	ctgccgctac	atttaggaga	10020
aacagcgggtg	tctgcggctc	ccacccttcg	ggggggcccg	ggggggggcg	gtgtcagggg	10080
catggacgcc	accccccagg	ggtctctgct	gccggctact	ctcctctcca	cgtgctgtga	10140
gttgagttgc	gggggacctg	gggtttgggc	ccctatttcc	aaggcaagtg	ggggtttggg	10200
aggagctggt	tcttggggga	gttttcacca	ggtctctcct	tccaaaaaat	gagccccctt	10260
actccccagc	tctctagagg	gaggaagagg	ggcccaggaa	aagtgggtatt	gcaatcttct	10320
gcaaaggggt	catagcatgc	acaagaaatg	aggagtaggt	tggaggaact	gaaattcttg	10380
gagggaagat	ggagaaatca	agtccttgat	cttgagatag	aggtacaact	ttcacacttt	10440
tccttccctc	gagaaaagtg	cagtcctcca	ctcaggaaga	caggatgtgg	gacacattca	10500
aaataaggtt	tacctagatc	cctggggcaa	tggagagtga	gagagtctct	ggggtgatcc	10560
gacatcgggg	ttccttcccc	atccctgggc	agagagatct	gtctaggcaa	gccgactggg	10620
ggtcagatta	cctaagacc	tgagagaaca	tctggaagcc	cacctgggac	taaagctagg	10680
ataatgggag	cagggtcggt	ttctgcatga	cctgggggtc	ctgagccagt	caatgcttac	10740
tcttcctgag	gacatctgag	cttcaggaaa	ggaaaaggaa	gccattgttt	gggggcaggg	10800
gaaaccctaa	tcttccattg	ccatggggct	cttggaccct	gtgtcccttg	actccatgga	10860
caataaatgc	agggggtgcc	cctaagctca	aagccatttc	attttgattt	ctcttccctc	10920
cttctctacc	ccaagacaca	caaacacaca	cacacacacc	ctctccagag	tgctgactgc	10980
agaggacctc	acccagaaac	ataagatgct	ggagtgcctag	gtttagagtc	acataccag	11040
gcagttttct	cccaggacct	ggtcaacct	ccaggccatc	tgtggttctc	atggcacact	11100
cctccatccc	ccaccacta	gccagccac	gtttccgtgg	agtgggagga	gaggatcatt	11160
cccaggaaag	agaagggaag	gtggaagagt	cccaaactct	attctaaacc	tttccctgta	11220
tggtcctat	ctcctagagg	acctgggtg	ctttggggaa	gggctctgga	cctctctcag	11280
agcagattgc	agctcagaga	gctcctcaga	ggcaagcatg	tgaagaaaaa	tcaggtgggc	11340
ttcgcttgga	atgtgggctt	tggggcatat	ggcaggtggg	ggcggggctg	gtgttaggat	11400
agtccatggg	aagtaagagg	ctgggggaaa	atataactag	aggagtgagg	gaaataaatg	11460
tgggtgctta	gtgcttcacc	tgatctgatt	ccatgtctct	catgaagaat	aggatcccag	11520
agggatacga	gcctaactct	ttataactct	gggtcttctt	tcccaggctt	ctgtgttggg	11580
atcttccagt	tccctctccc	atttgcaggc	tgtctctact	aggagaaaaa	acccaaggga	11640
aatgagggctg	gcccagagag	agcagtgate	gtgggtagggt	ctcaggggagg	atttctagtg	11700
ggaattttct	aatgttccac	ccttgtgcac	tggagggttt	ccactgaact	tccacagctt	11760
tcattttctt	ctcgtttgta	agcatgttga	ggggaggga	tggagcggag	tgagtggagg	11820
ccaaggaggg	aagaatgaga	aagactgtgt	atcagtcttg	gggtgaactt	caaaaacagc	11880
tgcgaggaga	gccattgggtg	gtgcaactgg	ctacagctgg	ggaagggatg	gtggaagtcc	11940
ttagggcagg	gagggtctca	ttaccgcct	gccccctctc	ccaaaaagcc	ccagttctat	12000
tgatttccagg	aaatcactag	ggggatctgg	gcttgggtct	ttggccccgg	ggctgcccc	12060
gaggtgctgc	acaccccagc	tggaggtgat	ggcaccaaaa	tatctggtac	ctccttcccc	12120
tgaaaatcat	cgtggaactt	gcacagttct	atccagttca	ggtacatcat	tccatttgac	12180
cctcacaact	ttctgagcct	ggggggcagt	tagggttgaa	tgtgttattc	ccagaaatag	12240
aggccaggca	acacgaaggg	actcgcccag	ggccccccag	ggtcgggtgc	tggccctgat	12300
gccccgtgcc	tcccatctct	ccgagggggc	actcattcgg	caaaccttta	ttaagccctt	12360

ccaggacccc	cgacgccgccc	taggcgcccc	gcgacgcgcg	gcaggtggca	gcagctcggg	12420
ccccgcgcgc	actccaggcg	cccgcagcgc	tgcacctgac	gcggccgcca	tggcgaggga	12480
gaacgcggcc	ttctcgcccc	ggcaggagga	gcccgcgcgc	cgccgcggcc	gccagcgcta	12540
cgtggagaag	gatggccggg	gcaacgtgca	gcagggcaac	gtgcgcgaga	cataccgcta	12600
cctgacggac	ctgttcacca	cgctgggtga	cctgcagtgg	cgccctagcc	tgttggttct	12660
cgccctggcc	tacgcgctca	cctggctctt	cttcggcgcc	atctgggtgg	tgategccta	12720
cggccgcggc	gacctggagc	acctggagga	caccgcgtgg	acgccgtgcg	tcaacaacct	12780
caacggcttc	gtggccgcct	tcctcttctc	catcgagacc	gagaccacca	tcggctacgg	12840
gcaccgcgtc	atcacccgac	agtgcctcga	gggcatcggt	ctgctgctgc	tgcaggccat	12900
cctgggctcc	atgggtgaacg	ccttcatggg	gggctgcatg	ttcgtcaaga	tctcgagacc	12960
caacaagcgc	gcagccacgc	tcgtcttctc	ctcgacgcgc	gtgggtgctgc	tgcgcgacgg	13020
gcgcctctgc	ctcatgttcc	gcgtggggca	cttgcgctcc	tcacacatag	tggaggccct	13080
catccgcgcc	aagctcatcc	gctcgcgcca	gacgctggag	ggcgagtcca	tcccgtgca	13140
ccagaccgac	ctcagcgtgg	gcttcgacac	gggagacgac	cgctcttccc	tcgtctcgcc	13200
gctgggttatc	agccacgaga	tcgacgccgc	cagcccttcc	tgggaggcgt	cgcccgctgc	13260
cctcgagagg	gacgacttcg	agatcgctcg	tatcctcgag	ggcatgggtg	aagccacggg	13320
tgcgagcagg	cctggggagg	ggagcggggg	tggcagaggg	tgggcgggac	cgaggaaggc	13380
aggggcgaga	ctagggggcca	ggggagctgg	ggaggatgga	tggaggggct	ggtggaggat	13440
gagacagtga	ggtgagacag	gggtcggagg	cgggagtgga	accgagcaac	gccgcagaag	13500
gccaaagaaa	agcttgaggg	aattctccga	aatggcactg	gcgtggggcc	ctgggcccag	13560
aggaatgtgt	cacttggaat	agggacagta	ataatagcta	gtgctcgccc	agtattcacc	13620
ctgtgtcatg	cgcagttcca	aagcactttc	tacctctgag	tcgatttaat	cctaacaaga	13680
acctcttgaa	ggtaaacttt	tgttattgtg	ctcacttttt	agagatgaga	ttgctccaat	13740
gagaaattaa	ggaagtgtgc	cacttttccta	agccaataag	tggccatgcc	tggattggac	13800
acaggcaatg	tggcttcaat	gttttagtgg	cccgagttgg	aaggaggggt	taggttcagg	13860
ggtttttctca	ctgcagtcag	gttcaggccc	ctggaatttg	acggtgaagg	ttttccattg	13920
cctgagttat	ttctaggccg	gatcttgagg	ggagtttaat	acctagtctc	acttgtaacc	13980
cggttttcca	attcatccat	ttccactgac	aagggatata	gatgatgtta	ccttttctag	14040
ctcttttcca	aaaggaactg	gcaactcacc	tgtgatgtca	ataagtccaa	cccagacctc	14100
cacagtgaag	gctttgggag	caggtgaaaa	aagaccagtg	ttacaggagt	cgcaaaggag	14160
gtcacttagg	acttgagatc	tagaggatag	atgaggatga	ggaaactgcg	ggtggaggac	14220
caaaggccca	ctagggggcg	ccgcagtcgc	tcctctgaag	ccagagctgc	tgatgctccc	14280
tgcgggtctc	gctgacaagc	tggtgccttc	agatcctttc	cctggccccc	ttaggctgag	14340
actccgcttc	acacccccaa	cccagctccg	catcactgtt	ccatttctct	cttcaccccg	14400
actcttttct	cttcccccaa	tcaccccgtt	cccttttctc	tctctccagc	tgtaactctt	14460
ttctctgcag	tatctcaggc	aggcccccct	ccctccaggg	aagttgctgc	ccggccctct	14520
ttctctcttg	tacccccagc	cctgcccctct	cctcctcgaa	gcccctctct	ccccagtgtc	14580
ccttatgctt	ctttctcttc	tctcccaact	gatactttct	attccaaact	caccgaggaa	14640
taccaatgtc	tcagcgccag	gctttccgag	ttgacagcca	ctctccgggt	agctaattgt	14700
cactcttctg	tttcccccgt	ttccgagatg	gatatgggtt	gggggcaaga	ccctgtggca	14760
gaaaggagaa	tgacctgccc	tgaggggtgc	accagcccaa	caggaagata	ggacacaagc	14820
cccgggcagg	gaggaccagg	acagaggaga	tgaggatagg	aatctgtctg	ttttcttaga	14880
gagataaagc	tggaaaggat	ggtaatatatt	tgggtgagac	agtcaggatt	caaaacgctt	14940
ttgaaaagca	agaataatga	gccccaaacc	agcaagatga	cattttaaact	gaataaatat	15000
aaaattctac	atttaggctt	taaaaaaatc	acttatgtaa	gcacagcatg	gaagagcaact	15060
ggtgaaaaaa	gaactgggag	ttttagtttg	ctacagtctt	gatgtcgtag	caatgtgatg	15120
cagcctccaa	aatgattatg	taatgtttat	ctgggcccct	ttagtgaag	catcatggcc	15180
agaagagaga	gatgggtgcg	gctctcttat	gcacggagca	ggccacagtt	ggaaaattta	15240
ctatactcaa	aatgcttaaa	gggcccctct	tggccattct	ggcttgtaat	caaaaaagta	15300
gagttctgga	aaaccagggt	aaatgaggaa	tcgtggaggga	agccagggat	gttaagtcaa	15360
gagagaaaac	atgagggaat	ctgagactcc	tgttttcaga	tactcagagg	actgtgaagt	15420
gggaggggaa	tgaagccaag	agttggaaat	cccagggtac	aggttttagc	tctgtataaa	15480

gaacaaccca	actattagag	ctatcataca	aaggagtggg	ccctttatga	agtgggtgagc	15540
tatcaatcct	gggaggtaat	caagtataag	ctagatgccc	attgttagaa	atgctccttt	15600
ggggagccct	gtatggagt	agaagttgga	ctagaggatc	cctaaggtta	gtttcaagg	15660
taagcttttt	ttggttgga	tcaccaaagt	acaggagggg	aaaaaagagc	tggacattaa	15720
gaggagtggg	ggcaaagtga	gaagacacga	gggagctggg	taagaacagg	agctagggag	15780
ggggggaaat	ggactggacc	aaagggaggt	gggagccctt	aggaaggaat	agaagggagg	15840
gtgctgggag	tagggttggt	gaatgagaag	aggagaggga	agcctggagc	tgagattccc	15900
cctgaccggt	gcccctcctc	ccaggaatga	catgccaagc	tcggagctcc	tacctggtag	15960
acgaggtgct	gtggggccac	cgcttcacgt	cagtgtgac	tctggaggac	ggcttctacg	16020
aagtggacta	tgccagcttt	cacgagactt	ttgaggtgcc	cacaccttcg	tgagtgctc	16080
gagagctggc	agaggctgcc	gcccgccttg	atgcccctct	ctactggtcc	atccccagcc	16140
ggctggatga	gaaggtggag	gaggaggggg	cgggggaggg	ggcgggtggg	gaagctgggg	16200
ctgacaagga	gcagaatggc	tgcttgccac	ccccagagag	tgagtccaag	gtgtgaccag	16260
cttcctccag	accctgtggg	cagaccgggg	gccagacaca	gatacatggg	gaactgcata	16320
tcggaggtgg	tggaggagga	ggaggaggag	gaaggcaaa	cccctggaaa	tgtgctaaa	16380
ttggaaagtc	cccgctcccc	agaacctcaa	gtctagaaac	cagtatggaa	gggaggggtc	16440
ctgatttcag	ggaaatggag	ggtggggccg	ggtgaaaatg	ccagtctgtg	tttgaccttc	16500
acatttggtc	atgagtggat	ggatggacag	aatgatggac	ttttgggggt	tggatgggaa	16560
gatggtagca	gataaagaca	gctgacagat	acatagatgg	accagtagac	aactggtcca	16620
ctcagggctg	ccactaacct	gtagaacacc	cctgtgcaaa	ttttaaaaag	gaaccctttt	16680
cctccagaca	gatacagccc	caaaccaggg	tgcatggctt	ggggagcaga	gtataggatg	16740
gattgcagtc	cccagtcacc	tcttctgcca	gcctccccac	atatggcaca	actgtctaat	16800
gacacggtag	gccaagctga	agtgaaggag	aaaggagccg	gaccaagatg	ggcacatgag	16860
gagggtgccc	tcctagctcc	accctcacca	ggatgaaggc	gtgcaagggg	ctcagcaagg	16920
tgtgaatgac	cttagtcgcg	aagttcaggg	aagcaggcag	agcggggagg	tgcttgagct	16980
ggggcctgga	gaggggcctg	ggaaaggaaa	accagggata	gctattttct	tacagtggag	17040
tgagatctta	caggtatcag	gcacaggcag	gaagagagag	agagagggtc	tggggaggaa	17100
gggccaggag	agagatctag	aaagtgggtt	cactagagct	gggaaacagg	gagcccctag	17160
gaaagcagtg	tgctcctggg	gcacagtcac	tcacatcact	gattgggtgc	catgtggagt	17220
ggacattcaa	aaacctgggt	cctgtcctca	aaataagggg	cacctgggaa	aacagaggaa	17280
tctacctgtg	gtgactgaac	gagggataat	tcaaactgac	aacctgtgca	gtcccgtgga	17340
gggtagggga	gtgtgggtga	tcagaaggct	ggggccagtg	taaggcatag	ggaatatgta	17400
agtcaggagt	tagaaatctc	cagtgtgcgt	tggaaacacc	tggagggctt	ggtaaaacac	17460
agattttttg	gtcctcactcc	aagggtttct	gacccaagag	gtggggacca	aaacctatga	17520
ttcctaagaa	gtccccaggt	catgctgctg	ttgctggact	gaggaccaca	ctttgagaac	17580
ctgtgctcta	agtgaatact	tggaaatcgt	ttcaggacat	ggggcataga	aactgaggag	17640
tagctgagag	gaagatgaag	agaagctgag	agaagctga	ggatcctcac	aggagcagac	17700
agagaaatgt	gaaggggtgg	gttttatgtg	tgggaaaggg	acccgaagcc	caggctgaag	17760
agtttaactt	tgggcccaga	aactcaacca	tcaatggaaa	cagggcagtg	acaagtggag	17820
ggggtgtctg	gaagctgagc	aggcccagaca	gagagatgaa	gccatcagaa	ggacttgagg	17880
gggctcctgg	ggaggtcggg	gggaggtgga	gcaggaagag	ttttaggggc	aaaggacaga	17940
accccttgta	ggactggagg	caagattgaa	tgtgggagaa	aatcggagag	aagcgatagg	18000
agttagaaca	tctggatgtg	tctgcagcct	gctgtcagcc	caattgggoc	agggggctcc	18060
aaagacgcac	attctcacc	cacctccacc	tgcttctctga	tcacatccca	gtcaccagcg	18120
gcagcttctc	ggatagttag	ggagaacaac	tgcaagttga	gagaggcaga	ggggtggaag	18180
ggacctgaag	ctggcctgga	gaaaagcata	ggcccaggag	agcctgccc	gggacagcgc	18240
ctgtctccca	cacagcagca	ctggcccagc	aaggacctcc	tcccttgggc	ctggccacac	18300
cccactcctg	ccctttcata	agccccctgg	ggaaagcaat	ccagtcttct	ctgttccagg	18360
ctgggcagat	agggctctat	ggggcacagc	cagggtccta	tgggcatagc	caggggccta	18420
tgggtcctct	ggaagcaaga	aagggggcca	tggaaagcag	ccagacagct	ggggttccat	18480
cagagaggac	ccaagtccca	gtcccttctc	ttcagtcaaa	acacggatat	ctttgcctca	18540
ggtcacaggg	ccactggggc	cctgtcatca	aagatgagat	tcctgaagcc	tggcattgac	18600

tggtccccta	agaacagatg	ttgggatgga	gaatggggat	tcatttgggt	ttcagtaaaa	18660
cagggggggtc	tggacaagag	cgggtgggct	acttgggtatc	cacacacacg	cactcacaca	18720
ggagccaacc	cattgcagct	gaacaagcag	agaaactcag	tctggaaagg	cccctcctgc	18780
ctgctgaagt	cactgagacc	ctgccacacc	tctcctcgcc	actgtcacca	ctcagggcac	18840
cactgtacag	tgcaacaagt	caggagacct	aggtcctact	cctgacactt	gctaattagc	18900
tctatgactc	tgggcaaate	gcatactctgg	gcctcagttt	cctcatctgt	aaaaatgaca	18960
gcaaaactcgt	aatgctcaat	aaatgtttta	ataacaactg	aaggaggcct	gccagatgcc	19020
tcttaagggtg	ccgtgcaggt	aagaatttta	ggatcagaga	atccttaggc	aagaaaattc	19080
atgaaactcc	tggggcactg	gaggaggggt	gaagctgaag	ggtgggaggg	aggagacccc	19140
agggtaggta	caggcaggtg	aagcgggtat	atgcaggtgt	agtgggtata	tgcgggtaga	19200
gggtatatgc	aggtacagcg	agtacatgtg	ggtgcaatgg	ctctgtggac	acacaggccc	19260
tcccctgact	gcctgttgct	ccagcctgag	tatcagttgt	gttctgaggc	ttctattctg	19320
ctgctatggg	tcagaaggaa	caacaatttc	agccccaggg	cctagtggga	ggagtcaggt	19380
ccaagactag	cctgaccagg	agaatgagac	gtgggaagag	ttggggaaag	tctgggaagc	19440
tcagaaaagg	cactgcccct	ggaggcccat	gccctttaac	atgggagaag	ctggtgcggg	19500
ggtgaccaca	ggcagctgga	acctaccctc	cttttctatg	cttcccctccc	caagtaggag	19560
tccaatcagg	agttgtctca	gccccgacag	ttcaggctgc	agatggaacc	caggtgtccc	19620
ctcctgggggt	gggtggcatg	gcccattggag	gccagatggt	gtttgtgggtg	ggaagagagg	19680
cctgggtcat	ccagaatagg	ttgtcaatcc	ccaaccacct	ccctactatg	caccctgagc	19740
gttttacagt	ctcatggtag	ggaagacaca	gccaaacctg	ctttttataa	aacaagttta	19800
ttcacatttt	agaaaaacta	attccaggac	aggaaatggc	ctccctatag	gatccctaag	19860
agatcaagaa	cagaaggcca	gagggagggg	cttgggaggg	aaggagtggg	gaaggggagg	19920
cacgtctccc	attctgggta	gtgggaggtc	aaataaatta	aaggaagagt	ggacagaggg	19980
agaggggtgtc	caggcaacca	gaggagggct	tggagctggg	ccggaagaca	gtcgacacct	20040
gcaagacctg	aaaagggtgc	ccggtgtggg	ctaaggacag	agagccctga	gtggggctcc	20100
ctcggggct	ccacccttta	acagggccct	gtggatctga	gctgcctact	cctcctccag	20160
gtggggcctg	ggaggggagca	gcttggttca	ggacttgggg	gtgggaagcc	caatgaaaac	20220
aaggttgggg	ggttcttttc	cctcacctgg	ggagtaaggg	atcacggttt	tcgaagcctc	20280
ttcatgaagc	agcaagtgat	ggtaccaagg	acagtggcac	cagtgactag	ggccaccctc	20340
gtaccaccca	gcagaggcac	aaatagggtg	tccagggtcg	ggggagagag	gatgactggt	20400
cagagaggat	gccatcatcc	tccaccata	cacttgccctc	tgcgctttcc	ccatcaagtt	20460
ctctgaaccc	accttctcca	ttcacagaca	ccccatccc	tgcccacagc	ctgccccctc	20520
agcatgcaag	tcagcatcaa	ccacagagga	ccccgtgcag	gtggggcactg	cagggctgga	20580
agttggattt	tttgagactt	catgtgacat	aatgtggagg	agagagatag	tagcaggagg	20640
gtcagaagat	gggaaggga	ggccagtggc	agaggccagg	aggaaggcag	agtgaggagg	20700
gtggaggggg	tgtcactcac	catgcatgta	ggggtagact	gtaacaggcc	ctgagcgggc	20760
actgcccgcc	tggtagcagc	tgtagtgcgc	atgctgcacc	caggcgctgg	gggcacagtg	20820
gtacacgcct	tcctcctcgg	gccccaaagt	gtgtagtctc	agccgatggc	ttcggggccc	20880
caccagctct	acgctgacag	ggcctcctcc	aggccggact	cccagctctg	ccacaccatc	20940
ctggcctacg	ccaccaccca	gctgggcagg	gacagagctg	agctctccgt	cctctggtcg	21000
ctccacccac	cagctggcgg	ccagccgcag	tcctgggggg	ccaccccgca	cagagatggt	21060
gcacagcagg	gaggcagttt	ccccggggtg	cactgtgcct	cctgctagcc	atgccacagc	21120
ctccagcacc	acacctgcag	aacaaaggac	atggggctcag	aggggtgcagg	gccagggagc	21180
atgggggttag	ggctgcgcgc	aagcaccgcc	ccaggaaaact	caggggtattc	ccacaattct	21240
ggtagaagag	gagcgtgagg	ctgtggcctg	caaacagctg	acggagaggg	aggggtcatg	21300
gaaacagaag	gaaaagggggt	tgacaatcct	cgaaccccg	ccagggccca	gccccctctc	21360
accttctctc	cgcacatgta	cagggagagg	ccgggaacgg	gcactggctg	cttcacgaag	21420
ccgggtccca	gacctctgaa	cataggcttt	ggcgaggcag	cggtaggtgc	ccgcatoacc	21480
aggcctggca	gcctctagcc	gtagccggta	tgttctggat	gccaccttct	ccatggcaat	21540
gtgtcggccc	tcatagccag	ggcccaggct	gcccacaccc	tctgtgtcca	gctjggctac	21600
caggcgggccg	ggccccaggt	gcccccgag	gtgccatctc	ccaacctaca	gagtatgcag	21660
catgacggcc	tgctjggggga	agtgccctg	acacattgca	cagcagttcc	aagggtctcc	21720

ctgggcccgat	ccgacgttca	ccaggcccca	ctgtcactgc	cagctggctg	gctgaaacac	21780
aggtagggga	agaggtgtca	tggaggcagg	aggggacaca	gaggcaccgg	attccccaac	21840
ttcctgtttc	ctacttgaca	gcagcaactt	caaaacctcc	tgtctccccc	tcactaggta	21900
tgaccatctt	tctatttagg	ggcttgaatc	tcacccctca	gcatgggcct	cctatctcta	21960
tacccaattt	ctgagcagag	aaaacccatc	aagggccggg	ggagagaaat	gctagcaagg	22020
ctgctcactc	tgtggaagat	gagttccttg	gagtcagatg	atggctatct	ggtagccccc	22080
gtggccacag	tgcccaccag	gatactgtcc	ctcccagctc	ccacagtggg	atgtataagt	22140
ggcacttaca	cagcgtctgc	acatccacgt	gggccaggac	ggcccttttc	tctgcaatct	22200
gggcccagct	gccatcagga	tcctgaatcc	actcagcggc	agtgcagtgg	taggtgacct	22260
cgtcccctgc	ctgggcaccc	cctactacca	tgcggtaccg	atcggtccct	tccttgccca	22320
gacgaagctc	ccctgcagcc	aatcgctcag	catagggagc	tccagcctcc	acggccaagt	22380
ctgaccggat	tcccaccact	tcctgcagag	ttgaccgccc	aactggtgcc	tcgggcacag	22440
atcgcccaaa	ggacactgcc	agggtgtgtg	gcttctgtgt	gcttgtcctc	gccaggcagc	22500
ccagtgccag	ctcctgcccc	tcatgcaccg	tcatgcgtgg	gggtgaggtt	ggggcctggc	22560
ggcctcgggg	ccctgggggg	gcagcagaca	cctggaggac	atctggaaga	actggagaga	22620
acagctggag	tgaggggagg	ctgggagctg	gcagcccttg	ttactgtttc	ctgtgtatag	22680
cctatctccc	taaataaact	gtgagctccc	agagggcaaa	gatcgcatgt	tgtattatct	22740
cttctgtaac	tcagtgggtg	caagggcagt	actgggcaca	gcacaggcgc	tcaataaata	22800
cttgtagaat	ttcatagaac	cagcccatcg	cctactcacc	cttatgtttg	agactgacct	22860
ctgtttgaaa	tactgagaaa	agcggctctt	tcttctcaga	agacaaagaa	acttaagaga	22920
gtgagaatgt	cacatggtct	aactccttcc	ctaactctac	tctctttccc	agatctgggt	22980
cctgtactgt	ccaggagtag	aggctattca	acccaacagt	cttcttcggt	cttgggaatg	23040
gaaagtggac	tggacaactt	aaggacattt	cttctcccag	gaggggtctt	aatatgataa	23100
gatgagcact	ggcctgggtg	aggaactctg	ggtttgagtc	ccacatcagc	cactgagtta	23160
ttgggtgact	ttgtgcaaat	cacttaacct	ctttgggcct	caagttccct	ggctacaaaa	23220
cctaaggggc	aactagatag	gtcacttggt	gccttgactt	tctgccttga	gaggggtgtg	23280
ggctccaccc	cgtcccaggg	cccagtaacct	ctcagctcca	ccttgccgct	gtagctgccc	23340
aggtagcggg	tatcagtgga	gggggtgtgg	cactcataaa	tgccggcacc	ctgggcctgc	23400
aggcgggcaa	tcttgagcac	cacggcatca	ccttgtaggc	gctgcacctg	cacctcacc	23460
gccaccactc	gggacttgaa	gacagcatag	gagaactggg	tatccttggt	actgacaatg	23520
cccagtgcag	tatctggggc	ctcgggccta	tacaggaacc	actcgaagtt	ctgctgggca	23580
gggcccctcat	agccggtcac	attgcaggag	atggagacag	ctgtgccagc	cacgcggtac	23640
aagggccctt	cggggaccag	cacctcccgg	gccagcacc	ccattcctgt	agggaaaggc	23700
agaaggagtt	ggagatgcct	ggttcctcat	tccatgcctt	ctgccgccac	aagcaccatt	23760
cttgatctct	gcctacaaaa	ggaaaggaga	cctgggaaag	cttgccacaa	gcttggaacc	23820
tgttctgaga	ataggaaagg	gatgctgtga	tataagacac	ctggatctca	aggaggtggc	23880
atgggcccag	gattgccttg	gcattccagat	gcattcccatt	tctggcggac	tagaagcaga	23940
gcacctgaag	gcagaaagga	gtacatctga	ttcctgacct	aaccaggcct	tggttccaac	24000
tgaaccttga	tctgtccctg	ccactcacc	acctccatgt	ctgccattcc	ttcctcagca	24060
cctggcaagg	ggagccttct	ggctaggggg	ctctgagact	acatgtccct	ctcctttgct	24120
tgagggggagc	tggcagtcct	gctcagaagt	gctagtgggc	tcagctgtgt	cacctggggc	24180
agacaatgga	gccagtgaac	ctagctggaa	agggcacagg	cccagtcagt	tctcaccaca	24240
caatgccttc	ccctctccag	ctgggccatg	agctcactgc	ttctctcacc	ccacagggct	24300
ggccaggcag	ctggggcttc	tggggcaaga	tcagggtctt	ggcctggcca	ttgggggcag	24360
aagatccctt	cctccagtgc	ctgccaacct	tcggggttag	cccagcagat	acagaagggt	24420
cctggcccag	ttccttaaca	aaagccttca	tttgacatg	gtatgcattc	atttacatat	24480
atggctctct	ttctgtaggg	aggcaactaa	tcaccagctg	ccctctctca	tctctctccc	24540
ttcagaaagg	ccaaacctct	cttcttcacc	ctactccacc	cctatgcccc	acctaccccc	24600
agcagatact	cctggcagac	ttagagggct	tagctcctcc	cttctttcct	tcctatagct	24660
ccactagata	agatcacaga	acctcaatgt	aaagagggct	aggccacccc	tcaccaacct	24720
tcaccaatttt	acagatgaga	aaggtaaggc	agggaaaagta	taatatgtta	gccaaagatca	24780
tgctgtccct	agatggcttc	cacacactcc	tcagagggg	caaaaccaga	gaggaagatg	24840

gggaaactcc	aaggccaggc	ctgaagggac	tgacctcacc	aaccagagtg	tcacttttag	24900
gcctcccagg	gggataccat	ggactttctg	caggagctag	aggaaaatgc	ccaggagtct	24960
gtggtcaaac	tctacctcc	agcttctcta	gaacggctcc	tctgaacttc	cccaccctg	25020
cttctgggct	cctagccct	tccttcatcc	tctggctggg	tcacagggag	aactcatggt	25080
ctgttggttaa	gggcacagct	gccagtcagg	aagtgggatt	ccagcaccat	ccccatgccc	25140
agctgtgtgg	cctgggatcc	agtctctttc	tgctcctaggc	ctcagtttcc	acactggagg	25200
agaactaaga	gctccagctc	tgaccatgtg	tgagtgcgta	tgtgactcag	gagagccctg	25260
ccccaggcca	ggcaagtttc	ataatcagag	tgacggtgga	gacagccaag	ctgacacctt	25320
ccctgactgc	ctcagggcag	actgctcaga	aggccccctc	ccattttcct	ggctccacaa	25380
ctgctgatgc	ttggagatgc	ccatgggaaa	gtcacctcca	cagccttagg	aaatcagttg	25440
ccacacagct	ctctctcccc	tcctctgtat	cagtcgcagc	aaggaaaggg	acagcaaaga	25500
ggcctgcttt	ggaatcagat	ctgtgttcaa	atcctagccc	caacactcac	taaatgtgct	25560
ctctggggca	agttacttca	ttttcctcat	ttgtgaaatg	aatgtaagtg	cccacaggca	25620
gtgggtgctc	agacctctgc	gtgctccttt	ttcaaacaca	ggccagcact	tccccacctc	25680
cctgggctcc	tccctgctcc	atgctgcccc	ctggggaaaa	cacaccaagt	gctaggcaac	25740
ccaggcccca	cagcgccttc	ctctctgtac	atcctcctgc	cacctgcccc	gggaccaggg	25800
agaggactca	tcctaaccct	gcagggccca	gggacctgca	gcagggggaag	gcttttgcttg	25860
gtgccactgt	ggagctctgg	tctagaaaca	ggcagctggg	gctaccttca	gcctctgcct	25920
tgacgacagc	agctctgaag	tcaccatccc	cacccccacg	cttcaactctc	atttcaaggg	25980
cttcagcctc	atcaacatct	gtactggcag	tttcaactgtc	tccatgccat	actcttcccc	26040
agaccacctc	ctacagggag	ccctccagtt	caggccaaaa	acaattccac	tgtcattatc	26100
cccatgcata	catgcaagat	tggcccagaa	cacccacca	tgaacacca	ccacagcagg	26160
cacaaggtgc	ttggagatcc	caggatcagt	ctccatggaa	cctggtttct	cctgaggcaa	26220
ggaagctgga	actaagcggg	gtgaaaactg	atgggtggct	gcagagccaa	gtgccatttg	26280
ggagacagga	agaagggcaa	agagggaccc	aaccagggt	ggagatgggg	gtgagagagg	26340
gaactgcccc	cagttgatga	agtgcgtgga	gcgcaactgg	gagagactta	cttcaaagat	26400
cgtgggcaga	actggcctct	gggcctccag	ccaactctgg	ggcaattatg	aagctgggca	26460
ggcactgccc	tcgtaggggc	ggcacccaag	gccaggcctg	gagctgagtg	tggggcagaa	26520
aggagtgcga	gcatttggtg	cagcgacccc	agtacgtggg	tatgctagct	gagatgtgtg	26580
gcctgccccg	ggaggccgag	cagtgcctgg	ggcagcacct	tagtgggtcc	tctctacgcc	26640
ccagtccctg	gcttagagct	ggggagcctg	cactcttccc	aagactggct	cggcggacag	26700
ccacaaagcg	cagctggacg	ccgaccccgg	ggaggctgga	ggtacccctg	acggaggagg	26760
atgtgaggag	ccccgaaatg	ctaggggggt	gctggatggc	aggcacctgc	ccggcagggc	26820
cgggaaccgg	aacgggggccc	tggcttacct	agcattagca	gcagcagcag	cggcagcgaa	26880
ggcggcagca	gcgtgggcct	gagggcgccc	atcctgcgcg	gccagctctg	gggaggctcc	26940
gggggatggc	gcgggttctg	gggggcggga	agggtggggg	gcgcctgccc	aggttgaggg	27000
caggaaagcg	ggcagcgagg	cgtgggtgcg	ccgagcgagc	tgaactggag	ctgcggaatc	27060
ccctccctcc	gcctccctccg	ctgctttccc	tccagccctc	ggcagttctg	aaaccattct	27120
cgcctccggc	cgcctccggca	ccgcctcttc	cacgcctccg	tctaggcccg	ccaggactac	27180
agtcggactc	caatcctggc	tcctcccccg	gccccggccc	cgcctccagt	ccaagccgca	27240
cccttccccc	gtccccgcag	ggctaacgtc	agcctccaat	cctggctccg	ccctggaccc	27300
cggcctcgcc	ccgccccctg	ccctggctcc	gccccaggcc	ccgcagggag	tgagctaaat	27360
gcacctctgc	gcctcgaaat	tcccacccac	cctgcacag	agcgcattcc	accccgccac	27420
tgcagcctt	tcctggagag	ttgggtgcag	ggctccctgg	attggcgagg	tgaactgtgac	27480
cagcatttta	gaattcagtt	atttgcctct	agccatagtc	ctcgtgcgaa	acctgtctga	27540
agttaggggt	ggcggaagcc	aggagtccct	gaatgcgaag	ggtttgagct	gaaggjcgct	27600
tccaggatcc	agaaggtcac	tggagacctg	tttttcaccc	cctcagaggg	caaaacccaa	27660
agaaaaatgg	attaggagag	gggg				27684

<211> 3029
 <212> DNA
 <213> Homo sapiens

<400> 29

```

acatttagga gaaacagcgg tgtctgcggc tcccaccctt cgggggggcc gtgggggggg 60
cggtgtcagg ggcattggac ccacccccca ggggtctctg ctgccggcta ctctcctctc 120
cacgtgctcc cctccaggac ccccgacgcc gcctaggcgc ccagcgacgc gcggcaggtg 180
gcagcagctc gggccccccg cgcactccag gcgcccgcag cgctcgccct gacgcggccg 240
ccatggcgca ggagaacgcg gccttctcgc ccgggcagga ggagccgccg cggcgccgcg 300
gccgccagcg ctacgtggag aaggatggcc ggtgcaacgt gcagcagggc aacgtgcgcg 360
agacataccg ctacctgacg gacctgttca ccacgtgggt ggacctgcag tggcgccctc 420
gcctgttggt cttcgtctct gcctacgcgc tcacctggct cttcttcggc gccatctggt 480
ggctgatcgc ctacggccgc ggcgacctgg agcacctgga ggacaccgcg tggacgccgt 540
gcgtaacaa cctcaacggc ttcgtggccg ccttctctct ctccatcgag accgagacca 600
ccatcggcta cgggcaccgc gtcacaccg accagtgcgc cgagggcata gtgctgctgc 660
tgctgcaggg catcctgggc tccatggtga acgccttcat ggtgggctgc atgttcgtca 720
agatctcgca gcccaacaag cgcgcagcca cgctcgtctt ctctcgcac gccgtggtgt 780
cgctgcgcga cgggcgcctc tgcctcatgt tccgctggg cgacttgccg tcctcacaca 840
tagtgagggc ctccatccgc gccaaagtca tccgctcgcg ccagacgctg gagggcgagt 900
tcaccccgct gcaccagacc gacctcagcg tgggcttcga cacgggagac gaccgcctct 960
tcctcgtctc gccgctgggt atcagccacg agatcgacgc cgccagcccc ttctgggagg 1020
cgctcgcccg tgcctcgag agggacgact tcgagatcgt cgttatctct gagggcattg 1080
tggaagccac gggaatgaca tgccaagctc ggagctccta cctggtagac gagggtgctg 1140
ggggccaccg cttcacgtca gtgctgactc tggaggacgg cttctacgaa gtggactatg 1200
ccagctttca cgagactttt gaggtgccca caccttcgtg cagtgtctga gagctggcag 1260
aggctgccgc ccgccttgat gcccatctct actggtccat cccagccgg ctggatgaga 1320
aggtggagga ggagggggcg ggggaggggg cgggtgggga agctggggct gacaaggagc 1380
agaatggctg cctgccaccc ccagagagtg agtccaaggt gtgaccagct tcctccagac 1440
ccctgtggca gaccgggggc cagacacaga tacatgggga actgcatac ggaggtgggt 1500
gaggaggagg aggaggagga aggcaaagcc cctggaaatg tgctaaagtt ggaaagtccc 1560
cgtcccccag aacctcaagt ctagaaacca gtatggaagg gaggggctct gatttcaggg 1620
aaatggaggg tggggccggg tgaaaatgcc agtctgtgtt tgaccttcac atttgttcat 1680
gagtggatgg atggacagaa tgatggactt ttgggggttg gatgggaaga tggtagcaga 1740
taaagacagc tgacagatac atagatggac cagtagacaa ctggtccact cagggtgcgc 1800
actaacctgt agaaccccc tgtgcaaatt ttaaaaagga acccttttcc tcagacaga 1860
tacagcccca aaccaggggt catggcttgg ggagcagagt ataggatgga ttgcagtccc 1920
cagtcacctc ttctgccagc ctccccacat atggcacaac tgtctaata gaaggtaggc 1980
caagctgaag tgaaggagaa aggagccgga ccaagatggg cacatgagga gggtgccctc 2040
ctagctccac cctcaccagg atgaaggcgt gcaaggggct cagcaagggt tgaatgacct 2100
tagtccgcaa gttcagggaa gcaggcagag cggggagggt cctgagctgg gcctggaja 2160
ggggcctggg aaaggaaaac cagggatagc tattttctta cagtggagtg agatottaca 2220
ggtatcaggc acaggcagga agagagagag agaggttctg gggaggaagg gccaggagag 2280
agatctagaa atgggttca ctagagctgg gaaacaggga gcccttagga aagcagtggt 2340
tccttggggc acagtcattc acatcactga ttgggtgcca tgtggagtgg acattcaaaa 2400
acctggttcc tjtctcaaaa ataaggggca cctgggaaaa cagagggaatc tacctgtggt 2460
gactgaacga gggataattc aaactgacaa cctgtgcagt cccgtggagg gtaggggagt 2520
gtgggtgatc ayaaggtgg ggccagtgt aggcataagg aatatgtaag tcaggagtta 2580
gaaatctcca gtgtgcgttg gaatcacctg gagggttgg taaaacacag atttttgggc 2640
tccactccaa gggtttctga cccaagaggt ggggacaaa accatgcatt cctaagaagt 2700
ccccaggtca tgctgctgtt gctggactga ggaccacact ttgagaacct gtgctctaag 2760
tgaatacttg gaagtcgttt caggacatgg ggcatagaaa ctgaggagta gctgagagga 2820

```

agatgaagag	aagctgagaa	gaagctgagg	atcctcacag	gagcagacag	agaaatgtga	2880
aggggtggggt	tttatgtgtg	ggaaagggac	ccgaagccca	ggctgaagag	tttaactttg	2940
ggcccagaaa	ctcaaccatc	aatggaaaca	gggcagtgc	aagtggaggg	ggtgtctgga	3000
agctgagcag	gcccgcacaga	gagatgaag				3029

<210> 30

<211> 1182

<212> DNA

<213> Homo sapiens

<400> 30

atggcgcagg	agaacgcggc	cttctcgccc	gggcaggagg	agccgcgcgc	gcgccgcggc	60
cgccagcgct	acgtggagaa	ggatggccgg	tgcaacgtgc	agcagggcaa	cgtgcgcgag	120
acataccgct	acctgacgga	cctgttcacc	acgtgggtgg	acctgcagtg	gcgcctcagc	180
ctgttgttct	tcgtcctggc	ctacgcgctc	acctggctct	tcttcggcgc	catctgggtg	240
ctgatcgcc	acggccgcgg	cgacctggag	cacctggagg	acaccgcgtg	gacgcgcgtg	300
gtcaacaacc	tcaacggctt	cgtggccgc	ttcctcttct	ccatcgagac	cgagaccacc	360
atcggctacg	ggcaccgcgt	catcacgcag	cagtgcctcc	agggcatcgt	gctgctgctg	420
ctgcaggcca	tcctgggctc	catggtgaac	gccttcctgg	tgggctgcat	gttcgtcaag	480
atctcgcagc	ccaacaagcg	cgcagccacg	ctcgtcttct	cctcgcacgc	cgtgggtgctg	540
ctgcgcgacg	ggcgcctctg	cctcatgttc	cgcgtgggcg	acttgcgctc	ctcacacata	600
gtggaggcct	ccatccgcgc	caagctcatc	cgtcgcgcgc	agacgctgga	gggcgagttc	660
atcccgcgtg	accagaccga	cctcagcgtg	ggcttcgaca	cgggagacga	ccgcctcttc	720
ctcgtctcgc	cgctggttat	cagccacgag	atcgacgcgc	ccagcccctt	ctgggaggcg	780
tcgcgcgcgtg	ccctcgagag	ggacgacttc	gagatcgctg	ttatcctcga	gggcatgggtg	840
gaagccacgg	gaatgacatg	ccaagctcgg	agctcctacc	tggtagacga	ggtgctgtgg	900
ggccacgcgt	tcacgtcagt	gctgactctg	gaggacggct	tctacgaagt	ggactatgcc	960
agctttcacg	agacttttga	ggtgccaca	ccttcgtgca	gtgctcgaga	gctggcagag	1020
gctgccgccc	gccttgatgc	ccatctctac	tgggtccatcc	ccagccggct	ggatgagaag	1080
gtggaggagg	agggggcggg	ggagggggcg	ggtggggaag	ctggggctga	caaggagcag	1140
aatggctgcc	tgccaccccc	agagagtgag	tccaaggtgt	ga		1182

<210> 31

<211> 68233

<212> DNA

<213> Mus musculus

<400> 31

ttaggtagat	agttggcttt	atacttgcta	catatgccag	cttggcttca	aacttgagct	60
gacccctcctg	ccctgtcttc	ctgcctctgc	ttcccaagtg	ctgagattac	aagctgtctg	120
tacggttgta	cgtggccttt	ttatcttggt	tatgtgaatt	atcttatctt	acttaactag	180
aatgtaaaaga	ggctcctgtg	ttaatcttat	atatgcgcga	tgctaccaca	cagttagata	240
gatagtagta	gataaatatt	tacttaacta	taatgtgaatt	atctcttttg	ttagtatttt	300
tcccttgga	ttttagaatt	ttacttttaa	aaacctctct	agctcattgt	ctaccaaaaga	360
ttccagagct	tcactttaga	caaacatcac	tgttactcag	aagtctagtc	tgggtataga	420
aacggattca	ttagtatgta	gtgttcctgt	tagtaaatct	cccagccttt	tatcaagatg	480
gtactgatga	ctgcacttga	actgttaatc	tcttgctcgc	cgtaggagat	agagactgcg	540
atgtctaagc	ttcataaaga	aacggagtgt	gtgaccttgc	acaccagtcg	tccttagctc	600
ttcttagtaa	ggaagcaggt	gatggtagtt	gtggctagtg	catttctctg	gtgcgtgttg	660
catttttggt	ggtttgtttt	gagacagagt	cccacgtagc	ccagggtaac	ctctagctat	720
gtagctgagg	tggttgagcc	aatccttcca	gtcttaacca	tgcttggtta	agtttggttg	780
ttttaaatac	aatcaaggag	gtcggcagtc	ttagtctgga	agttagtgac	agaagaataa	840

aatgccccgt	cgtcgcttca	gggaagaggg	cagtgggctt	ggggcctgtt	gcacataact	900
gacgttgaca	ccataaaggt	gtcatgtggt	ttagtatttt	tatcttggct	cttgggtctc	960
tttcagacta	gagcttcaag	tttcttacaa	tatttttggtg	caactcaggg	gtgaagtgtg	1020
ttaaaaaata	cttgataata	gttgatatcc	tggacttttg	tttcagtctc	tgaagaattg	1080
gatgcaagtc	aggtttatga	tgtctaaacc	tttctcttta	atgccttggtg	catgcttctt	1140
ttaagaatag	aattcttgga	ggtttatcta	gaactgtgtc	aaatcccgtt	tcttttgata	1200
actgcacctt	gcacctgttc	tgtctacata	gttactgctt	acctcaaact	tgctgattga	1260
tctctctgat	tatcttcatt	ccagcccaca	gcagaatgct	ctgatttggtg	tattaggaag	1320
aagggatctg	ggagatggct	cagtgggcaa	agtgcctgct	atgcaagcat	gaaggccaga	1380
gtttgaacct	agcactcctg	tggtagccag	tgctgtact	tccagtgtctg	aggaggtgga	1440
ggctggtggg	tcccgggcac	acatgcacac	acccaaggaa	gccagaagag	ggcgctgggt	1500
cctttggagc	acttgtgaac	ctccctattt	gagtactggg	aaccaaactc	tggtcttctg	1560
aaaagtgttc	ataactactg	aatcatctct	ctatccctat	ctgttcattt	ttttaaagac	1620
acatcgcgcg	cgtgtgtgtg	tatgtgtgtg	tgtgtgtgtg	taaaaattag	gccagacaca	1680
acagtgggta	gcagatagct	taaacatcaa	taaattcatt	tttaaaatgt	ggttgtggag	1740
gccatacaat	aaagttaatg	cagatttcaa	attttacttt	ggttaaaatg	agattatgga	1800
attgataggc	tactgagaaa	tttaactgaa	aattctgaaag	aaaaggacaa	atagcccctt	1860
ggtcagttag	attaatagtt	tgttttagaa	agataagatg	tactttttaa	tattgtctag	1920
gttgaaatgc	cttcttttaa	aaggatatgt	tagggagagc	acttgtaatg	tgtatgatgg	1980
ggttccagat	agctttaata	tgtgagttta	tttttagtca	tctatatatta	aagaactgta	2040
aaattagcca	tatgcattga	aagtaggcaa	aagataccaa	agtcctcact	gatgattcat	2100
ggatgagcag	agtagactgg	ccggtaaaata	cagcttacag	cttgccaggga	cattattttct	2160
ttatcagcaa	agcaatcagc	agggagcctt	ttaatatatt	acagcagcag	actacctagg	2220
tgatcctggc	tctgtaaaatt	atattgttat	cagtatttat	ttgtataaga	aaatttgagt	2280
agcttgctac	taaattaaaa	tatttacagt	ataactgact	gtaaaaactg	tatttcagca	2340
acacaggtaa	ttatgcttat	tttattatgt	taccagtggg	catttttaatt	ggtaggcttc	2400
taagagattt	gtgtattttt	ttatactcct	taatttttaa	aaatagtttt	ctattctcta	2460
tactgtgagt	gtgtgtgtgg	tgggtgggac	aaatgcagag	ccttgaatat	gctaagcaag	2520
agttctacca	ctgagctgta	tccctagccc	aatatataat	atctgtgatt	ctaagaattc	2580
tttaggggct	aaagagatgg	ctcaatagtt	aaaatctctt	actgttcatt	catgtataca	2640
cacacagtgg	tgttcatgca	tgtatacaca	cacagtgggtg	gtgggtgggtg	tgttattttg	2700
aggcagcctc	tcttttatata	accttggcta	tcttgccctc	gctctagtgtg	cagggattaa	2760
aggtgtgtgc	taccacatag	agcttttagtt	ttacttttga	aacagaatct	ttcaatagcc	2820
ttgagctcac	caagcaggct	atgcaaacag	gatagtatgc	tctggaaccc	tatctctgtc	2880
tctaaggcac	taggattatg	tgtgcctgcc	aacctttttt	atatgggttc	taagaattga	2940
acttgagacc	ttgtgcttga	aaggcaactga	acctctctac	tagccctgtg	gtttgcttca	3000
gtaagttaaa	gacctcaagc	tcaactaacac	cttgaaactgc	tttataattt	tctagtctta	3060
cagaaaattgt	gaattttctt	atctctctgac	atctgtcaat	attcttatto	ataggtaaat	3120
tccaactgaa	ttgaatatata	atagtattac	tgttcattga	caagcttaca	atagagtjaa	3180
acacaagtct	aaagtaatgt	aatattgaot	taataatgac	tatattatat	aatttttaaaa	3240
ggtattttagc	aaaatttcata	tccctttctat	caattgcttc	cttaaaatat	aaagcccacc	3300
actgaagaac	accaggaaca	tggatatagt	aaaaataaac	tttattttatt	tagcttattg	3360
tagaaaagtat	tttcaacccc	taaaagctgt	gagcatgttg	agaggagtca	gaaagtctgc	3420
agaagggtata	aaggagctga	agtcagggtta	gtagtctgct	caagggtggc	tcaattctca	3480
tttgaatggt	tttctgttta	ttctgcacag	gtctccctga	agttgtagat	cagttttttg	3540
actgggatac	tgagtgtctg	tggccctcaa	aaaacagtgc	ttgagcttgg	gtgacctgga	3600
ctgtacagtg	gtgtttgctt	tggttcagtt	tctctgcttg	caagtcagtg	gtttgtggct	3660
tctgttttct	ttctctgtct	ccacctctga	tcattcttta	gttaaacccag	ggtattttac	3720
acttaaggga	ggttaaaccaa	cgagatttta	ataggttgta	aatgcttata	aagccatttg	3780
tgatagatat	gttgacctca	agcaactggc	tattttctgg	atggtgattt	gttctgacct	3840
ctggttgaca	gaagcaaacac	agtggcattg	agggatctgg	agatgacaca	ctgggttata	3900
ccagacagaa	tttgtattta	gtttgaaata	atgttccata	tatgtcataa	tcagtttgga	3960

tcttcctttt	tatttgttca	tctgcttggt	ttgttttaggg	aaaaatatta	cgcgtgtgtg	4020
ctcatgatgt	gtggggatgt	ttgcatgggt	tgtgtgtgta	tatgcatggg	cacactcggg	4080
tgcattgacgt	gtggggcatg	catgtgtatg	tacatgtgtg	catgctttat	gtatgcatgc	4140
atgggtgtgg	gacattcatg	tggaagtcag	aggacaactg	tgtgaaggcg	gggctcttcc	4200
accttcaagt	atattcctga	gatagagctc	tggtcaccaa	gcaggaacat	gaagctcctt	4260
tacctgctga	gacatcttac	cagtccacaa	ttgtttgcaa	tttgattttc	attgtttacc	4320
tttacaagtg	tctgaatgat	aattctagta	tttagtgatg	gtcaagggtg	aaggctcttg	4380
tagtactaac	aataaaggag	ggggtgggag	cctcttgaca	ttctagaatc	ttgaccata	4440
gggaagagaa	caagatagac	aagagattta	ctttttttgc	ttgctcagtt	atthttctct	4500
caaactctta	aaaaagaaaa	aaaaggttag	acttatttca	catgtttcaa	cagtcagaga	4560
gattcagagg	aaagtgggtg	ttgtctgaga	aggaagcagt	tataggcagg	cactcatcat	4620
gtactgctgc	taggataata	acagttgtca	gatttttaggt	agacatttgc	catctgggccc	4680
agcaccagga	gagtgtgtaa	acacagttgt	tagacattgc	aacactctag	tgtaagtgtg	4740
actccaatgc	ttacagttgc	cgttgactta	atgtgctaga	gggtcttgct	ttagacatga	4800
agctgaaggc	tttgcttttg	gttttaataca	tctgtgatgt	gtgttggtgg	ttgctgtgct	4860
cactttgttt	tatgaatcat	cgtgcagaca	agttgtgggt	tctcttttaa	ttttttgaaa	4920
aaaaaattga	tgattttacat	tgtatgtgct	ttgggtgttt	gcctgcata	gtatgggggtg	4980
tcagggtccct	ggagctgagg	ttacagatag	tttcgagggtg	ctatgtgagt	tctgggaatt	5040
gaacccattt	cctctgaaga	gcagccagtg	gtcttaacct	ttgagccacc	tctccagccc	5100
ttaaagatgt	atthttatttt	atgagtataa	gtatthttgcc	tgaatggatg	cacaatactc	5160
agtgcaccac	atgcatgcct	agtgcagtg	gtcccttgga	gctagagcta	cagacagttg	5220
tgaggagcca	tgtgggtgct	gggaattgaa	cccagggtccc	ctagggaagc	agccaacact	5280
cttaccatt	gagttatctc	tccagcctct	ctctttta	tttaaaagac	agccagtggtg	5340
agtttcttgt	gtatthttgtg	ggtaagggtg	tcatctcatg	gtagagctat	acttcatgct	5400
cagtgtgaca	gaagagtgtc	tctgtaggct	agcatgcctg	taaccttgga	ttgtggaggc	5460
agagaaggaa	accaatgcaa	tgtaaaact	agcttggtct	gtgttctgag	tttaggccat	5520
ccagggtctat	aatatcagga	gactctactc	aaaaaacagt	cagaaaaaca	aaccaccacc	5580
aaccgatcaa	acaaaaccaa	accaaagaat	aagtatthttg	aattattgaa	aagctggaaa	5640
aagaacattt	tgacttgaag	gattagtcaa	gggcctgtat	tagthttctc	tcctthttca	5700
gataggggtg	gacattactg	ggtatttaaat	ttagggtctt	acttataccc	agcaagcact	5760
ctacctctga	cggcctthtt	acttccagta	aatggccata	gtgccagcga	ggctccagct	5820
ctcacagggtg	tacaccactc	ttggctacgg	gggaagcccc	tttacttccc	cttgaacctg	5880
ggaagcttga	gatgctcgaa	tggtctgagt	tggaagtgg	gtgggtgtgg	taagatgctt	5940
gtccttgga	ctcagtcaca	tgaaaggcca	cctacaggta	ttctcatcag	atgagactgc	6000
cctgggctgt	atgagctggg	gggggggggg	ggaggcgga	ggatgggtgg	ggagcagtc	6060
tgtgtgtct	tctctgagct	catagtactg	agtctataca	tgagagaacc	tatacataat	6120
tattgtttta	agtcactatg	ttcagggtga	caaatcaaa	attgtgggaa	agaaatatac	6180
aaggagttha	gcagagggtg	gtcatgctag	cctcagctct	tggaagcta	aaacaggatt	6240
gtctagcgtt	atagagatgc	tgtctcaaaa	gcaacagcaa	cccaaggatg	ttggtagcaa	6300
tattaactta	taacaataag	taaaaatttt	aaatagtcta	cttaatagta	agaaaataag	6360
gggctggaga	gatggctcaa	cgggttaagag	cactgactgt	tcttccagag	gtccctgagt	6420
tcaattccca	ggagccacat	ggtgactcgc	aactatctgt	catgggatcc	gatgcacttt	6480
tttggtgtgt	gtctgaagat	agctacagtg	tactcatata	aataataaat	aaataaatcc	6540
ttaaaaaata	aagaaaataa	ataaactgat	acattthttt	ccataaagaa	aagatctgtc	6600
ttcaaaagaa	aacaatcagt	tctgttataa	ccaatgtcaa	aatgggtcca	gtgtacacac	6660
atgtaaataa	agatgattaa	gaacaacaac	aacaacaaat	tgtaggcctg	gggaatatag	6720
ctcatcaaca	gaggcttcc	agagggaaca	aggccttgga	tagagcccca	gcattaccaa	6780
aatccaaaac	agtcagcaag	tttaaaaaaa	aaaaaaggaa	ggttccaggt	gagctgatcc	6840
ataactgtaa	ctgtgtaaat	atcagtacca	cagcgcttca	gctgggtctgt	gaggaggagc	6900
accctcatta	tgtaacgttt	aaaatcatgg	ctttagatgg	cttaaaacct	tctcttttag	6960
accagtttga	ttttgaacaa	ctagaagaag	tgtacagatt	gagcacacag	tattaaagct	7020
gccagccct	ccctactgcc	ttcagggcag	tctctgggct	tcttattttc	tctgtctctg	7080

tctcaggatt	ttcttttttta	aacttttaaat	gttgaaactt	aatccccagc	cctcatgcat	7140
gctctgccag	ccctcttgga	tcatgctata	cacttcatga	atcttaactg	cttttatgat	7200
cttatagga	cttaaaagat	tggttttcc	aagaagcacc	aacttgtcac	tgtaggcgca	7260
cagtaactaa	aagctgaata	aaacattggc	atctgtgact	ttattttgtc	tgtctcttct	7320
gttatgttaa	acttcaggtc	tgattcctgc	tcagctgtgc	acatagacat	attaattact	7380
taaggagtgt	ccatctaaaa	actgcttata	taaaatttgt	tagccttaaa	tttgcctaac	7440
ctctctgtaa	aatacaagaa	cgaagacacg	ggaatctaag	gtactttttt	taagttccag	7500
aattttgtag	gcagatcaca	cagtgatgtt	actactctgc	caaggaggag	caattatccc	7560
atgaaggaaa	ctaaggcaga	ttccttatgc	aaaagtaatc	tcttgatgag	aattctatca	7620
ccctcctcaa	gcagtaaaga	ctcttatgta	gccagcagga	ccttgcagga	tcaacccaaa	7680
taatggtaaa	ctcgaccatt	ctagtcaagg	ttagctgttt	atcagtcagg	caaacacacc	7740
agctgtgcaa	caccatccct	tctcctcatt	tctctaagac	tcagagttcc	ttccagaaac	7800
tcaaaagcag	atcttaggtt	accagacatt	tctgtacttc	ctagttcagc	cttgatctgt	7860
ctcttcaatt	gactttggag	acaggtggtc	aaacctagtc	tattgtgaac	cttcaggtca	7920
gggattgtgt	cctaaactcc	tacaaaaacc	ttgcaattca	gctttctatt	taaatataga	7980
tcttttacta	catcatcatc	atcattttct	tatgttaaaa	cacatctctc	acttcaaagg	8040
aaataagagc	caaatatgag	tgaccatggt	ctttgctgtg	acctgacatt	tgacaaatag	8100
caactgaaga	aggaatgggt	tgttttggct	cctaggttga	ggctgtagta	tatcatggta	8160
ggaaagcaag	agtggctcca	gctgctgtgg	ccctgggtgc	cagcccacac	gatccccctca	8220
ctcttgaact	ttgcttagct	gtaaaaccat	caccacgtgg	acagttgttc	tggaactca	8280
agataaagct	tgggtctctc	ctgcagatat	cgtagcctct	gtgcccgttg	tatctgaact	8340
gggaaacact	ttctctaggt	ggttgatttt	tgagtgtgga	accccttcag	ctgcattctt	8400
tcttcaaccc	cttctttcaa	aagattttct	actttaataa	actggggcta	ttgagtccat	8460
ttcctgttgg	cccagtacaa	atggaagggt	gttcttttagt	gatgctaata	tcatacagta	8520
gagaaatagt	cagggttaata	gccccacttc	tcagtaccaa	ttttcatata	gtcaggggtt	8580
tatagaagaa	gcaaaccaat	aaatgtgcat	atctctgtta	taaaaggaga	tgtattaggt	8640
tgacacatgt	aacaggggccc	agtgggtggc	atctgtatgg	tggagagccg	agaacccact	8700
agttgctctg	tccatgaagc	tagatgcttt	acacagtacc	aatctggcac	tgaggcctgg	8760
agcaccgcag	aagaggcagt	gctaggaagc	tgaagtagca	aaagatgccc	ctgctgagaa	8820
gtcacgaggg	aggccgcagg	tgacacttac	ctttcccttg	gaccccttta	ttctggattt	8880
cctgttggag	cgtgcccact	gactttgaga	ataggtttta	tccctcagt	aaagcccctc	8940
tggaagcacc	ttcacagaca	tactgaaagg	tctgtctttc	ttgggtgttt	ttaaagtctt	9000
cagattgccg	agatgaataa	ctctacactc	caataacatt	acagcatgaa	agagggttatg	9060
tggacttttt	atagttccag	gaggatcaag	atatggagcc	agccagtggg	ggcgcacgcc	9120
tttaatccta	gcacttggga	ggcagaggca	ggtggatttc	tgagttcgag	gccagcctgg	9180
tctacagagt	gagttccagg	acagccaggg	ctatccagaa	aaacctgtc	tcgaaaaaaa	9240
aaataatgag	ttagcagggt	acaacaaagt	taataagtct	tagatgctat	atgaatgaga	9300
ttcttagctt	tggggttggg	ggaatctagc	agcctgctaa	attaattcat	ttcaaagggt	9360
ttgcctcata	gttgaaagtt	atgagagggt	aagcattgaa	gtggatatta	atggcttcag	9420
ggctctatgt	tgteccagttt	gaccttccac	tatctttgtg	tctgaggatg	accttgagtg	9480
tctgttccag	ctgcctctac	attccagggt	atgatgggat	tagaagtggg	agccaccag	9540
cctgctttat	gtgatactgg	ggatcgaacc	cagggttctt	tctattcaag	ggaagtaact	9600
taccaactga	gctccttctt	cagccagctg	tttcaattag	acagatgtat	ttgttgctgt	9660
catttcttca	tctattcatt	cagtggatgt	gtgtggatgt	agtcatgaat	gtacagacaa	9720
ccacataact	tgaactgtga	ccattttaaa	attagaatga	tcaattctgc	tacacagctt	9780
cttagacttt	ttcacattct	aagactgtgc	agttatgatt	gottatttagg	cttagtttat	9840
tttaagaagt	atgactgtgc	ttgttatcgg	tacattttaa	tatttgaaat	tgttttctct	9900
tccttagctg	tcccttttcc	tccaacccga	cggctaactt	tgaagggaagt	ttttgagaat	9960
gggaaacctt	aaatggatct	tttgaaaaac	catttagtaa	aagaagggtcg	ggtggaagag	10020
gaggtggcct	taaagatcat	caatgatggg	gctgccatcc	tgaagcagga	gaagaccatg	10080
atagaggtgg	aggctccgat	cacaggatat	aaacacatgt	gaatgaaacg	cacacgtgtg	10140
ggtgccagcc	cttaggtttg	tgatagtttg	agaaatgatt	accaaaggcc	agctgaaatg	10200

agtgtgataa	atattttctct	aatttttgaag	caatctaggg	attttgactt	ttgttgctta	10260
aaaaacaaca	ttaggggtctg	aaacttggtg	gataagagca	catcctgtct	tgcagaagac	10320
tggagtttgg	ttccaagtgt	ccatattaga	tggttcagag	ccactgtaac	ccccagctgt	10380
agggagaata	ccacacctct	ggcctctatg	gacacttgta	ctcatgtaca	cacacccctc	10440
ccccagacag	atgcacacat	acacacaaaa	ttaaaaaataa	atcttttttaa	aaagaagcat	10500
actcttaact	gcttcatatt	gataataggg	gcattgagtt	ctgattgagt	agctaaatat	10560
acagaagagc	agtgaaaagg	aaagtgatta	aactgaagtc	ctgttgccct	gatgcttctt	10620
cctaacgcac	agtttccacc	tcatgtcttt	ctcgccctagt	gtgtgggtgat	gttcatggac	10680
aattcttttga	cctgatgaag	ttgttttgaag	ttggggggtatc	acctagtaat	actcgctacc	10740
tcttctctggg	tgactatgtg	gacagaggct	atctcagtat	agaggtaaaa	ttaacatggc	10800
tgtactgccc	ctattgtatc	atattctaaa	agatctgctc	tccattcctt	agtagaaaag	10860
attaagatat	gaatgctgat	agaatttatc	cactttatta	cattcaacta	atagagatat	10920
gctttttttt	tcaaaaaaat	ctatcctttt	aacctgtaga	aaacctgtca	tatgggaggc	10980
tatattaagc	taatttttgaa	aatagatat	tgctaagggt	ttctccttaa	agatagctgt	11040
ctgggatata	gggacatgca	tagcttttca	ttctaaacag	tgtctgagct	aagtacctta	11100
attataatac	tgcagccaac	gcttaggtta	acttccctgtg	ggaactaggc	actgctggct	11160
gagctactgc	aggaggggact	ctggctcctgt	tgcacacggc	tggcattaat	gtccactaga	11220
aggcaaaaga	tgaagtgaag	ccaataaaaa	ctgacagttt	accttttatgt	tttaagaatt	11280
aaatgatgga	acatgagtag	gattaaaaaac	aggtatgtgc	ttttgtgggt	gaacataaaa	11340
tgatttttagg	gccaataaca	aaggcttgag	gaccatgtaa	ttatagcaca	tctgcttcac	11400
aaataaaaaga	tctgtgtgta	agaagctctc	ataattaagt	ttgtaatatg	ccctagaaaag	11460
aacaggaggt	gacaaattct	gtcgtgtttt	agtgccttag	gctatgtgct	cttcatagt	11520
tggggatttc	actgtattgg	ctgctcctgc	tagagaaaagg	tctcctcctc	ttcctcctct	11580
tcttctcct	cttctcctc	ctcctcttct	tctcctcctt	cctcctcctc	ttcttcttcc	11640
tctcttctct	cctcctcttc	ttcttcttcc	tctcttctct	cctcctcttc	ttcttcttcc	11700
tctgtagtct	cctcctcttc	cccttctctc	ttgtagtctt	cctcctcttc	ttcttcttcc	11760
tcttctctct	cttctcctct	cttctcctct	tcttctcct	cttctcctc	cttcttctcc	11820
tctcttctct	cttctcctc	ctcctcttcc	ccttctcct	tgttgtcttc	ctcctcttct	11880
tcttctctct	cctcttctc	ttcttctctc	ttcttctcct	cttcttctc	cttcttctcc	11940
tctcttctct	cctcttctc	ttcttctctc	tctcttctct	cctcttctcc	ttcttctctg	12000
ttgtcttct	cctcttctc	ttcttctctc	tcttctctct	cttctcctt	cttcttctct	12060
tcttctctct	cttctcctc	ctcctcttcc	ttgtctctct	ttctcttcta	ttgttttttaa	12120
atgtaactca	actgtctgac	tcagttttca	aagaagagtc	agttctgaag	accccagaag	12180
aatgaacaac	aacgtatgtt	tattttactc	ttcagttaag	tagcagtata	gggagctagg	12240
gtgtaagtca	ctgccagagt	tcttgtctag	catgccaaagc	cctgatgtta	attcctggct	12300
ctgaaaaaac	attgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtagggtag	12360
gcattctaaa	tcagaaaagt	tgagttttat	ctgttactac	cccagactca	ttagtgtcag	12420
attgagaagg	acacaggata	ctgctataga	ctatgacatt	ttcctgctga	gccttgtcct	12480
gctgctcatg	ctcacagtga	gcacccgggg	atagcctctg	ggcagagact	gggatgggtg	12540
gaaggcatgt	cttgagatgt	gtcactgaag	accttgcccta	ttgcagtcag	gaattgactg	12600
cagggtctgtg	cacttcagta	gatagtgtca	atgggtgggt	gtttaaaagg	tagaagataa	12660
agaataaaga	gtgtttttcaa	ttatctattc	attgttttac	tttaattaat	atatttttgt	12720
tgttttgggc	ctcctcctcc	tcttctcctc	ttcctcttct	tcttctcct	tctccttct	12780
tctcctcctt	ccttctcctc	ctccttcttc	ctcctcttcc	tccttctttg	tattattatt	12840
attattttctt	ttgttttttaa	agttgtattt	atattataga	atacactgta	gctgtcttca	12900
gacacaccag	aagaagggtat	ctcattacag	atgattgtga	gcccaccatat	gggtggctggg	12960
aattgaactc	agaacctctg	gaagagcagt	cagtactcta	actgctgagc	catctctcca	13020
gccttattat	tatcccttta	catcctgacc	acagtttccc	ctccttctct	tcttccaat	13080
cccttcggtt	ttgttttttgt	ctaagtattt	catttggttt	aggttagcct	cagagttgct	13140
gtatatctga	ggatgacctt	agtaaaactc	cgatcctttt	gtgtccatgc	ttccatgate	13200
cttacatagt	gctgaaaatt	gaaccaggga	ttttgtgcat	gotagggaga	tactccacca	13260
accgagctaa	ttcctagccc	caggggacaat	gtattaaaca	taaacattag	tgtctggagag	13320

atagctcagc	agttaagaac	acagcctgct	tttgcatagg	acctgggttc	aacccttagc	13380
acccatatct	tcaaattggc	cacaaccatc	tttaactctt	gctccagatg	attctggcct	13440
ctgtgggcaa	atggtctcat	gtgcacacaa	gaacaaatgt	acagaatctt	aaaaaataca	13500
atcttgaaac	aaataggaca	aaatatcttc	taattattat	gacttacagt	taattaaaaa	13560
taagacttta	taaagtttta	attttaattt	tgtttacttt	aagtgtctag	gattgtccca	13620
gtgcgaaatc	taccactgag	cactatcccc	aggctactgt	ttaatttttg	aagcaggtgt	13680
ctttgtgttc	cccaagtggg	ttagttgatc	tttctttcct	tacccttacc	ctcaccctac	13740
ccctctccca	tggtttttct	ctgtagccca	gactggcctg	gaacttggtt	gggtcatgaat	13800
ttctgctcca	gtctcccaaa	tagctgaaac	tacagtcata	tgccctcctc	tggctctagt	13860
tctgggtttt	caaatagttt	caattcattg	atacagttac	tgactcatgt	tctaaaatcc	13920
acagtgaagt	ttgtacctct	gtgctatttc	caggaaatct	catgttacat	ggttttccct	13980
cctttattag	taatttctct	agtaacaact	ttatagcagg	ctgtagaatc	caatctagaa	14040
tgagattcag	atagaggtaa	ctcagcagta	gaacccttgc	ctacaggtcc	atcccccact	14100
acacacaaaa	agagtaaaat	tctgtgtctc	tggaggagct	agcagtccta	tagtacaggc	14160
tctcctttca	gcgggtcttc	tagtataata	gaagtcttcc	tataatcagc	agtaggaatc	14220
ttcgtattaa	gacctttccc	agggggctag	tggatggctc	agtgtagaaa	agcatgtatt	14280
gttcttgccc	aggacccaag	tctgggtctc	agcacacata	ttgaaaggaa	ataaaaactg	14340
agacatgtga	ttcatgtaat	ttatgtcaaa	tagcccaaag	agttgtttgt	gagctttgaa	14400
acctggggct	gagaacatag	cagaacaggc	caggacatgc	ccgggcaggc	ccgtcgttac	14460
atgtcctgac	tggcctagt	cctacctatc	tcccaccctt	ctgatagtct	gttaatgttt	14520
aaatggacca	atcatgtaaa	accgcgcca	ttctctcccc	agccccaccc	cttttctata	14580
aaagtcccta	gctcccaagc	ctcggggctc	aaaccactgt	ctcctgtgtg	agatacgttt	14640
cgaaccggag	ctccgccatt	atggctccac	catgtggctc	acacctctgt	ctcctgcggg	14700
agatatgtgt	cggcccggag	ctccatcatt	aaactacctc	atgcttttac	atcaagatgg	14760
tctgtctgtc	gtgattcctg	ggtgcgcgct	gaacgacaat	tgagtggggg	tttccccact	14820
aggttctttc	aatatcaggc	agctcacaac	tgcctataac	tctagctcca	agggatccaa	14880
ataagtctcc	tttgggcact	tgcctcatg	tgcacatact	taaaaacaca	ggcatataca	14940
tacacacata	attaaaaata	aatcttaaa	acctcgccaa	gtcttcta	atatagtagg	15000
cattcagttt	taatgaatac	taatgtaat	taattgtagt	ttgcatttga	ctttgttatt	15060
ttttttactt	gactgatttc	tctaaaaat	aacaaatgaa	ttgaagggtt	tagataacag	15120
tgggtggtcta	attgttttct	ttttaagatt	ttcacttatt	tttatgtgga	taaatgtttt	15180
cctgaatgta	ttcaagtgca	tgcctgctgt	ccaagaagga	cagaagacag	caccagatcc	15240
ctggaactgg	agttacagga	gcctgggacc	ctccatgtgt	gggaaccaag	ttcaggctct	15300
ctgcaagagc	aataaatgct	tctcactgct	gagcggctct	cagctaccac	tctctccagg	15360
ttttgagata	gcactcttatt	tagccagacc	tgaagcttgc	taactaaggc	tgaccttgga	15420
ctccttacgt	gcctgtctcc	actcccaggt	gctggctgac	agcgtaaagc	ttaaccacca	15480
cgtctaggtt	atgttttagct	tttggatgca	atcattttta	ttattttcaa	gttttatttg	15540
tgtggggggg	ggagaaggag	gggaaggga	ggaactcggg	agggaggagg	ggaggggagg	15600
gtccatttat	gctttttgta	tgc aaatgct	tgtgggcaga	agaggatcat	tcaatccatt	15660
ctcttgagac	tagattacaa	cagttttgag	ctgcagatga	ctgagttggg	aagtaaacct	15720
aggctcctct	aagaacagca	agcactctga	gcacctctcc	agccctgtc	tttttctatt	15780
tttctctctg	tccccacac	accatcgcta	catactgtac	tctgaacta	ttcccttact	15840
ctgacttttt	gttgtttctt	taattttttt	cttatatgta	ttttttaata	ctgtaagtcc	15900
tttctagatt	taatcattta	ttttatgggt	atgggtgttt	tacctgcatg	tatgtctgtg	15960
taccatgtgt	ctgcacacag	aggccagaag	aggcgctcag	atccctggg	acgggaacta	16020
cctgtgattg	tcagccacca	catggaacct	gaatctgctc	acctataaga	gaaggactgc	16080
taagctgtcc	tcatagcacc	ttgaatgcac	ttttaaaaag	aaaattagga	caataatgga	16140
tattccttct	gtgattcttt	tccattcaac	atcatattag	aaacattttt	atcattaatt	16200
tttctatgat	gacacattac	tggcaaaaag	tccatggctt	gctttaccat	tcttttagtg	16260
ttgggtaaat	aggcttatag	aagggtgctc	actgcttttc	ccctcctcc	ctcaggaaca	16320
aaacccctgt	tttgttccaa	aaagtagggc	tctgggtggc	aggggaactt	tcagactcaa	16380
gaaaggaagc	cttttatccc	aggccaggga	ataatttctg	attgttctga	ccttggttaa	16440

gtaaatcctg	ccacttgtga	ttagcctcag	gatatcacag	gctcattctg	cctgggtgatg	16500
cataagacag	ctctctgggtg	ctattcttgg	tttttgtttg	cttgggtgcc	ctatgggcag	16560
cttcctatgt	gaaaagactc	ttgggaagaa	aggtaaagct	ttgggctttg	ccttattttg	16620
ttgatgcaga	atctcacaaa	gtccaaactg	gccttgagtt	cattttatag	ccaaggggtga	16680
gtctgaacac	ctacctttgt	cttccccagg	cagcgggtgc	agcctaaagc	ttttggacat	16740
ctattccacc	ctgtcagtta	aatgtggatg	gggtgcccaa	ggcagccatt	ttatggctgt	16800
gaggactgtc	ctgtgagtca	cagaggaaatg	agtagcagga	gcgggcctgg	tttctgtgac	16860
agtgttgaga	ccatcactga	acatctgtgt	ctccacctct	tatttaatta	gaatgctaata	16920
tggctttgtg	gctgtgtctt	agatttttaac	ttttaaatta	tattttctgt	gtgtgtgttt	16980
atatgcatgt	ctatagaagt	caaaggacaa	cttataggag	ccagttctct	ccactatgtg	17040
ggtcctaaga	gttgaactca	ggttgttggg	ctagcagtaa	attccataac	ccactgagtt	17100
atctctcagg	cccagctaata	tagattttgt	atcactatac	tgaaaatggc	acaaacttat	17160
tttccatttt	ttgtctgtga	cattgcagaa	gttagtgtct	tgtagaatat	tccttgaatt	17220
tacaaagata	tattactgta	tgggggtggag	tgggtgggtg	tgtatgtctac	agtgtcmeta	17280
ggacaccttt	gtggagtttg	ttgtgacttt	ccacctttat	gtgagtactc	tgattgaact	17340
aaggctcaca	aagcaagccc	tttacctact	ggtcacttta	tccggataca	tcgttgatgg	17400
catgacagac	tttagatcat	agtcttaaat	gtaagttctt	gattttctac	tgagaatttt	17460
gtatgctagt	ttctatataa	tttgtttacc	atctatgaat	ttgaaatcag	tagggataaa	17520
gggagatagg	aacaactaat	ttagatggat	cactcagggc	aggcctttca	gagatgagga	17580
tatttgggta	gaaacgggaa	tgaccttcaa	gagaaagcac	agctgagtg	gagtcccttg	17640
tgcgcagagg	gcacagagaa	tgaaagctca	gtgacagggg	cagcccagac	agtagcaagg	17700
ctgggcgggc	gggtgtggga	ggaagagctg	ctgcaggcag	acagacagac	tgacagatag	17760
gcagaccttg	caaaccatag	tcagggagtt	tagatttgtt	ctgggtgtga	tatgaagcac	17820
ctgcgttgtt	atttttaattg	ctattttttc	tgatgtggga	ggctttggga	ggagcagcgc	17880
tgccatattt	gtgtcttaca	acaattactc	tgactgttat	gtaacctggg	actgctggag	17940
cctaaagaca	ggcacagaaa	ccccacttag	gaagattatc	taataatgct	tgagaccagg	18000
tgtgtctctc	cagaggtttt	caagtattga	aggatttgca	tagattttgc	cagtggagca	18060
tgctgtcca	aaagtaaaat	cttcgaaatg	ctccagaggc	aaatcttttg	gagtatcaca	18120
gtggcattca	ctgaggttca	gattctgcag	tatctcagat	tttggaattt	ggtaatcagt	18180
ctgtgatatg	gataagagat	accagtaaca	aattaggatg	gacagatgga	gagacagaca	18240
gatacacata	cacagacaca	tacagatacg	cagtatctct	cctcctcctc	ctcctcagat	18300
aaatgaagga	gagtacccac	cttatctgca	ctcaagggtt	ttcacccttc	cggctcctc	18360
tttagtgtca	ggcttattaa	actttcccat	gtttcttaac	tagataagca	tgcatctctg	18420
atactcctga	ctttataaag	ggcaacatcc	catactcttt	tctatactca	aaatgactct	18480
gaaacagttt	acatagtctt	ttctcattcc	cttgctatag	tgtcatggcg	ttgcttagca	18540
tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	cacatgtgtt	cattgtcagt	18600
attttactat	gataatgttg	agaacttttg	cattgtcttt	accatgcaat	ttacgtcttg	18660
tcttgtcttt	tgacaagggt	tctctgtgtg	gccctggctg	tcttggaaat	tactctgtag	18720
agcagtctgg	tcttgaactc	agagatccta	agtgtctgaga	tcaaaggcat	gcataccacc	18780
cagctttttt	tttttttttag	atttgtttta	tgtatgcgag	tattgaccaa	catgtatgta	18840
tgtagcccat	gtatgtgctt	ggtagcccat	aggtcagaag	agggcacatg	gtacccacga	18900
attggggcta	atagatgttt	gtaaatcacc	atgtgggtgg	gtgctgggaa	ctaagcccat	18960
gtcctctgga	agagcaatga	gtgctctctc	ttactgtctg	gcatctctct	cagcccatgt	19020
gtcctctcat	tcttacatga	tagaaacatg	tctgtctgga	tctctagtca	atgaaatttc	19080
ttccctacag	cccatgcatt	cttggttaaac	ttcattttta	cctgtggacc	cctcattctg	19140
ttgtcacttg	ttgggtacta	tgtaagatta	gatctaagtt	tactattttt	ttgaaatggc	19200
atctaaaccc	agagctgttt	cattaaaaag	ctcattaccc	cagggatctc	ctccacccctg	19260
tttttatgag	atgaattttt	atactgtagt	gcaggcaagt	ctccaattca	aggcagttct	19320
gctctagcct	actcgggtgt	gggtttccag	gatgagctgc	catgcacagc	tgttacctgg	19380
tgattagaga	tgccgccttt	attgtgtaaa	gatgttcata	tgaacttggg	tctgtttctg	19440
gactactgga	agattgaggg	atgtggcagg	gcacaaggat	tttattttat	tttattttat	19500
ttgaactgaa	gtttttattat	ataaccagg	tagtatagaa	agtagtctaa	gctagccttg	19560

aattcattgc	tctttttgccc	tgagtacagg	ggtgacaggg	ctatgctact	tcactctgact	19620
caggacatta	tgtttttggtt	tctgtatttg	gttttggtgt	tgttggtggt	ggtgggtggtt	19680
tgtttttttg	ttttttgttt	tggatacaat	atgtcatgtg	accttgaact	actgggttcc	19740
caactgattct	tctgcttcca	tctcttaagg	gctagtatta	tgggtatggg	acattatgta	19800
tgtttatggg	tcctaggatc	aaactcagga	ccttggtgcac	ggtaatcagg	cactctacca	19860
actgagctgc	aacccccagc	tttttggtgc	tgctgttgta	aatattattc	gtgggggtgg	19920
gggtggttat	tctatttaga	ccatataagt	ctcaaagaca	caaaaacctt	tagtttttaa	19980
ataagcctta	aagcactaga	gctgggcaga	tatcagccct	ctatgctctt	ttgtctactc	20040
ccctgtcaat	aaccctgaga	tatcacttgt	gtgttggtgc	tgggctgctc	ctgttctaac	20100
aggctggccc	tcatggctgt	gctctcacca	ttcatctccc	ccacagcgac	ttctgccttc	20160
tccccctcct	ccttggtgtg	gtccctgcct	gagccttcta	tctgcccctg	ccctctcttt	20220
tgtacagccc	aggctgtagg	catctttatt	aaccaatcag	agataaactg	gaagcaagtt	20280
ttatacaact	aaagctggca	tatgtaagga	tctgttcttc	tcagagcagt	gagatcttgg	20340
ggtatagagt	ttagcatttg	aatatcagcc	tcaccagaac	aactgccata	catgtttatt	20400
tatgtattca	attgtatata	ctatcttgct	gaattctttc	actaagctac	tttttatcat	20460
tgatttttca	ggggtgtttt	ttagttatac	aatttatattg	tcagctttta	atttttcctt	20520
taccattctt	acctcaatat	ttagataactt	agagggtttt	tgttttggtt	tggatactta	20580
gcagatttta	aagaaggtta	ttaattttac	caaatttaag	gataacatgc	aaaagctcga	20640
agattacatt	tacaacttgg	gacttacagt	gagatatacc	atatagcaca	tcatttagat	20700
ttagatcaaa	tgtgtttatg	tattgtcatg	gtcatgaaga	acacttatcc	tctaattgtg	20760
tctcctagt	tgtgctgtat	ctatggagct	taaagattaa	ccatcctaaa	acattgtttc	20820
tgcttcgagg	aaatcatgaa	tgcaggcatc	ttacagagta	cttcaccttc	aaacaggaat	20880
gtgagtatac	atctctccag	aacagtcagt	tatctcaggt	gctgccacac	tcagttaaga	20940
tcataccttc	aaaatgaaaa	actcaagcca	ggcttggtgg	ctcttgcttg	tagctcagcg	21000
ctcgggaagc	tgaggcagaa	ggatcaccac	aactttgaag	ccagcttggg	ctatagagtc	21060
agacactggt	taaaagaaga	tggagaagaa	aagttcaatg	cttttacatt	gcttatcaga	21120
gaatgagttt	gttttagaca	cacactccac	tatactcaca	tggtagtctc	catttgacaa	21180
ggttataatt	gagtcgcttc	actagacagg	ttataatagc	tgccttcttc	ccagtatagc	21240
ttgaaaggaa	aggtcagaat	tattaaagaa	aattgtaatc	caggcttgat	agacatatct	21300
gtaatcccag	cacttgagag	gtggagacaa	aaggattagg	aattcaaagc	cagccttggc	21360
tatgtggtga	attcaagggtc	agtttgagct	atatgaaacc	ctgtctcaaa	aaaacaacaa	21420
aagagacagg	atcttcagat	cattccagcc	ccagaaactt	cctgaaataa	acacaccatc	21480
agataataac	caggaagggt	ttcaaagtag	atttactctt	ggtagggatt	taaattgggtg	21540
tcaagtattt	ggacagcaat	tttgaaatat	ttgtgaagat	tggttttgta	tttgtgaagt	21600
atacattctc	ttctctcagt	attttgactg	ctaaagcaac	tgtcaggagt	ttagtgaactc	21660
ccacagggct	catgtcacag	cagaagtcag	gattctctgt	aggctttgct	cagcagggac	21720
catggtatgt	gaggactgta	ttagaatctt	cctctgaggg	tagtagtcgt	ttagagtcc	21780
tgcaatgatg	gattaaagtc	ctttcttcta	gtccccaaac	tgggggtgaa	cggtggggga	21840
tgtaactctc	actctcagtt	tttaaagatt	gctttcaagt	ttttgacatg	gttcccaaag	21900
gtagttccca	gtgttgacgt	tggctttctt	ctggccctgc	ctggatgagt	ctctgaacttc	21960
tgcagtcaga	gctggaggaa	ccctgtgctc	tttaattggt	ggtgtgatca	ggccagggttc	22020
atccagaaga	ctcttccctt	tccgtccggt	gaagtgtaac	agtgaagagg	tcactgtagt	22080
cagagtccca	cggacttgaa	agctatacag	agtgyaagcc	attggaagtc	atgttacaat	22140
ttgtctagca	cagatggaca	gaaaacagta	gatattttgt	tcttaaggat	gtcatttgca	22200
gtgttaatta	taacaacaaa	aaaaattaga	tgtcaataaa	gggccaatta	agtacaatat	22260
atgagtatca	gaaaggggtg	tgggaataca	gagttaggaa	actttatgga	gtccagtcctt	22320
tgtctcacct	catttatgtg	gatttccaa	gtcgatctca	ggtctgcagg	cttaacacagc	22380
aagtgcctta	cctgctgagt	catcttcctg	gcccccaaaa	taacctttat	agcaataacta	22440
gaccactggt	taaatattaa	gggatctgtg	tgtgctatat	ggagagatgc	ttagatgtgc	22500
tattagctga	gaaaaaccat	tggctgactt	gcacattgtg	cacagaagtc	attggcacta	22560
gtgttacttc	ttgtgctggg	tcagaggatc	ttattttaat	gottaaaata	tttgaattac	22620
tttttgccac	tattttgaac	tacttctgta	atttttttca	agctgctaac	ttaaaaacaa	22680

tgcaattgca	aaccaagtat	ttaaattggct	tttatttggtt	ttcttttttct	ttctttttctt	22740
ttcttccctt	cttcccttct	tcctttcttt	cttttttttt	ttttttgtga	cagtgtttct	22800
ctgtaaaaca	tggctatcct	agaactcaag	ctgtagatca	ggctggcctc	aacctcagat	22860
atctgcctgc	ctctgcctct	gcctcctgag	tgctgggatt	aaaggtgtgt	gccccactg	22920
cctggcttaa	aaaataaata	aataaataaa	taaataaata	aataaataaa	taaatacagg	22980
ggctacacag	gaggaaaccc	tgtctcaaaa	aacctaaata	aataaataaa	taaataaata	23040
aataaataaa	taaataaata	aataaatata	gggctacaca	ggaggaaacc	ctgtctcaaa	23100
aaacccaaat	agatagatag	atagatagat	agatagatag	atagatagat	agatagatag	23160
ataggactgc	aggactagt	agatgctgaa	cacttgctac	tgagtttgac	gatctgagca	23220
gttcccagga	agcaaagatc	tgattcctgc	acattgttgt	ctgccttcca	catttgtgac	23280
attatatgtg	tgtgagcgtg	gacacacaag	gtatgaaaga	aaagcataac	tgtgccagt	23340
tccttgagaa	ctcccaactc	cttgactatt	tgaagatttt	aaagtacttt	gcagtttctc	23400
taacatatac	tggttttgcc	taaaaaatta	cataatatat	ataaaacagg	caacaacgga	23460
cctgggatct	gctggatgga	agtcagctac	ttgcacttag	agttaagtga	gcagcaagga	23520
catggcctgc	aggtgccttg	ctcttcgtga	ggtggctgtg	ctggtttcca	tttgacagag	23580
ggttttctgc	attgccctgg	ctatgcacag	ctcattgggt	taggctcctt	gtttggcttg	23640
gtttttaagg	gacatttact	gtaatttccc	gccctgttct	ccccttttaa	gccacaattt	23700
ttatttggtc	ttttatgggt	ttgggtgctg	agagtgaagc	agattttgtt	tgtgatcagt	23760
ataattggtc	ctgagtattt	ttagaagata	gaacaataga	ctcaggaaat	gcttttaagt	23820
tttttatttt	gcccagaatt	cctcacctca	tgtctcttgt	ctgctggcgc	tcagtgtgct	23880
cctagctgta	ctccagccta	gtcactccgt	ctgctgacat	actaatgtac	acatataaaa	23940
tgttattcct	atatgaggaa	agagcacgta	tgtgtgttca	ctgacaggct	gatctcgtct	24000
gtggggccact	gtggctttta	gaatcagaac	catataatta	ctgctaagt	atgctcgggt	24060
gcagaatgtg	cagctgcggg	cttttaagga	gtgtgggttt	cttgtctcat	atcagtttta	24120
tttatttatt	tatttttgaa	acagttctat	ttttactttt	tgctttaaga	aagagtctga	24180
gttccccagg	ttggccttga	atttttgggc	ctcctcttag	ctcctacata	gctgggatca	24240
caggctgatg	tcaccagggt	caccaggcct	gtatcacatt	tattcttact	tatactgaga	24300
gacttatttt	tcaatttctc	ttgttttctc	taaagcacaa	gaaaatttga	gggctggaga	24360
gatggctcag	tgggcactga	ctgctcttcc	aaaggctcct	agttcaaata	ccagcaacca	24420
catgatggct	cacaaccacc	cgtaatgaga	tctgatcccc	tcttctgggt	tatctgaaga	24480
cagctacagt	gtgcttacat	ataataaata	aataaatctt	taaaaaaaag	aaaatttgaa	24540
taacaaacaa	acaaaaaaag	aataactgat	atcttttggg	aggtgttttt	aagacagggg	24600
cttggttagac	taccagcat	ggccttgaac	tacctcagta	cctactgctg	gcctcaaaca	24660
attagtgggc	cttctgcttc	atccttctga	aattacaggc	atgtgttaca	gagcctggct	24720
aatagttaac	tatctgccta	ctgtttctta	ttgttgtgta	cttagaaagc	aagaagtgt	24780
gagagtgtct	tgaccccgct	tcatagtttt	gggtccagat	atctcaagag	gattagtttg	24840
ttgttcccca	aacctctttt	tgatagctta	ctgacaagtt	ccagaaactt	ttgtaatttt	24900
ctaaaggaca	cagcaactgt	ctaaagaaga	atactgttcg	tcacagtatt	tggagttagca	24960
gattjgtgtg	gttagattat	ggcatatcca	taagtctaga	gctgtataat	ttgttttctt	25020
tttaactacc	aagctgttat	cataagaaag	acagaatttt	atcttatccc	tggggatttc	25080
tcagctaggc	taaagaaatt	ggtttgctaa	tggcctgtac	cattagtccc	cagcacagg	25140
gacagtggac	cctggggact	tggggccaga	gagagaggag	ajacaaagac	agagggggaa	25200
tcttttagtga	atgcaaatga	gaattaagaa	aatatatgct	caatagctag	gttatggttt	25260
cttatacatg	atgctgacac	tcaaaacttc	ctgjaattct	tttacaattt	tgttttattg	25320
ctggccatgg	gtgggggtgat	gtttgcctgt	aatccagta	cttaggagat	gagttaagat	25380
cagattggac	tatatgaaac	cttttaacta	cagtttgttc	catcctgttg	tattattggc	25440
aagagttaaa	ccttatataa	atgtctataa	tatagacatt	aatttttcat	gaaaataaa	25500
ctctttaatc	agcttatttg	accttttgga	atgatataat	ttagtattta	aattctattt	25560
aattttaaat	taaaaatagt	ggtgggcata	gtggcacatt	jccagtaatc	ccagcattct	25620
agaagctgcc	agttcaaggc	cagcctgagc	ttcatagtaa	gatcccatgt	tgacagttca	25680
cagaatgagg	gtataaacat	ttgggagagc	acttgccctg	cattctcaag	gccttgggtc	25740
ccaacccag	caccatagtt	tggaagagtc	tgagagggt	gttaagaatg	tggatgtgac	25800

ttctctgcc	ctgaagcttg	cagttatgag	cactgcgccc	agttttctcc	ccttttatgt	25860
aattgtgtgt	tatatattata	tgtatgctta	tgtgtgtgtc	tgtgcctgct	gctctcagag	25920
accaaacaag	ggcatctaat	atcctggaac	tggagttgca	taccattgtg	attcaccatg	25980
tgggtgggtg	ctgggaacta	aaccaggtc	ctctggaaga	gcaatgagtg	ctctctctta	26040
ctgctgagcc	atctctctag	ccccagtgct	ccttcaatct	tacatggtag	aaacatgtct	26100
gtctggaact	cagtcatgga	aatttcttcc	ctattgtgtg	ggttttgagg	attgaaccct	26160
ggctctatgg	tagagcagac	agtgtcttaa	cagctgaatc	acctctccag	ttgccttcc	26220
cagtttttaa	atgaacatgg	gaatgtgcct	acttcataga	gattctgcga	aatgatcact	26280
taacacatag	ttataacat	tgtgtgccag	gtgtaaatac	acctctatcc	tcatagcatc	26340
atgacttata	gggattatca	ttcccattat	atagtcggga	aaacacatgg	aatggaagca	26400
tttgctcaag	attccaagct	agaaagctaa	caaccaatct	aaggaccaa	ctaagagagt	26460
taggttacag	gtcattttatc	tgacaactga	ctggctcagg	catttagctc	acggatatat	26520
actgtggtca	ctatacatgt	aagtgtactt	gctatatact	tatagacatg	tactcatcag	26580
agaacattag	aaaaaatagg	actggccagg	tgtggtggca	cacgccttta	atcccagcac	26640
ttgggaggca	gaggcaggcg	gatttctgag	ttcgaggaca	gtctggtcta	caaagtgagt	26700
tccaggacag	ccagggtac	acagagaaac	tgtctcgaac	cctgtccccc	ccccaaaaa	26760
aaaaaaagaa	aaaagaaaga	aaaaaagaaa	aaataggact	atggttactg	tctctagtct	26820
aatccctcgg	ggaatggtag	cataggacgg	cctgtttgcg	cacatactaa	tatgccgtac	26880
atgtcttttc	acctgatttg	gcttttgttc	tctgttttg	gtttacagag	tggctcggta	26940
ctctgtgcat	acttgctgtc	tctccacaga	tctggcattg	tttggaagta	agctaaggac	27000
tttttctgag	tcattattag	gatgaaaggc	atactagatg	atgggtgtgga	ccatgaatgc	27060
cacttagact	cttacctata	ctcaagttta	ggattcttat	aaaggaattt	taattgacat	27120
tggtaacaaa	ggtgattctg	cctttggatt	tttaggagga	aatatctagc	actgaccaca	27180
tgttaaagat	tctttgtttg	cttttatttt	gaacagatgt	tatactcaca	gctggatctg	27240
cttttgaaat	agcaaagtga	ggctgttaact	gtaaggagggt	gcatccctgc	acaaactgag	27300
ctcatgttaa	agttagatat	gctattgaat	acagtcttaa	ccgcctctgt	gccagtgtga	27360
agagagccct	cagattccat	taaacccaaa	cctgagtccc	tcagtatcag	ccacaaagag	27420
aatgtctgga	ttgttatgag	agggaggcct	tctcaccttc	gtttatactt	tctttgtttt	27480
tgtttgtttg	tgtgttcgag	atggggtttc	tctgtgtagc	catagctatc	ctggaactca	27540
ctttgtaaac	caggctggcc	tctaattcac	aaagattcat	ttgctcctga	gtgctgggat	27600
taaaggtgtg	tgccaccatg	cctggctcca	gtttacagtt	tcttatatgg	actgtagggt	27660
ttccttatgt	atactgtctt	agtcttctct	actagcattc	actctaaagg	cacagcttga	27720
ctttaaatcc	aaggctcaact	gtataatctg	tttgttacta	ctctaacaaa	agacctgaag	27780
ctgtgaacct	tataaagaaa	agagctttgt	ttagcttata	gttttgagg	tttcagggtta	27840
tgataccagc	attggttttg	aattgatgag	gacttcatgt	tgggagaaca	cattaaagag	27900
agagagaaca	cacaaggcca	aagattagag	aagagcccta	ctggaagaac	tactgagtgt	27960
ctcacatctt	ccttctgagg	gcagtgcctc	cagtgaactc	ccactaggct	ccacctgttc	28020
aggtttctct	tcttaaagggt	ttacctgtg	tggtaacatc	ccacactgaa	acccacacat	28080
cccttgagag	atacattcta	gtcatagcca	caccataaca	ccaagaagga	aaatgctggt	28140
tttttttttt	tttaagccca	tcttttagagt	tcttacctgt	tacttcatgt	ctttttcttc	28200
ctagagaatt	gtggcacacc	tacaatctgc	ccacttagga	gtatttccct	gtaccatagt	28260
tccaacttga	caaccacatc	aaaatataaa	atgcaggaa	tcgagagatg	tctcagagga	28320
taagagccct	ggattcccta	gaacagaatt	taaggagaat	tgtaagctgc	catatttggg	28380
tacagctagg	taaagcttcc	agcaccacaa	taacaacagg	tagctcccaa	gtgcctgtca	28440
tccaggctca	gggtctactg	ctgcttctga	gggacactgc	acagtgcaca	taacttaggt	28500
agacatacac	aaataaaaaa	taaattcaga	aatgcaaaac	agtctatgtc	tatgtaaagt	28560
acactagagt	agtaataatt	ttctacaca	ttttttaatg	taagggttgg	agagatgaag	28620
ctcttagtgg	ctaagagctg	ctcttcaaga	gaggacccag	atggcagctc	acatctctcc	28680
tgaactccag	ttccaggggga	tccagcactc	ttctggctac	ctccccaggc	atgtgctcag	28740
tgcattgaaca	cacacacagg	caaactactc	atacacgtaa	aaataatctt	ttttaaaaaa	28800
agaaaaaaat	gagcccaaa	gtttctgata	cagaaatagt	tttcagtact	gtggagacag	28860
ttccacatgg	ggtggggctg	ggatctactt	tgcctgggaa	gccccaggga	tcagcaatgc	28920

cagcattggt	tgtaaacgct	taatggcaga	atttgaggat	cctaaaagga	ccctcaggag	28980
cctaaagccg	taaccttctt	ccaggtaa	gatgctcact	aataagacat	gggcagccac	29040
ctgccttata	agatttctctg	ggcaacagag	ctagaaagtt	aatctaaggt	catacttata	29100
tttagaaaag	gaagagtgtt	cggtagccc	ttgtgtgcaa	ctctaaaagg	acattttctc	29160
tgggacaggg	tcttcagact	tgctgtaac	cagtggcttc	cgagctggct	tcacctggtt	29220
agtctcttca	gtatggcact	gttcatcccc	tgactttgtc	ctctttgggt	aggtcggatc	29280
aagtattcag	agatgggtga	cgatgcgtgc	atgcacactt	tcgactgtct	tcctcttgct	29340
gccctcttaa	accagcagtt	tctctgtgta	catggaggaa	tgtctcctga	aattacttgt	29400
ttagaggaca	ttaggaaagt	aagtaacttt	ttactatttt	catagagtgt	gcttttaaat	29460
ttttgttctt	tatcttagcc	agtgactacc	tatataacat	atagcaattg	ctgaggttaa	29520
atgaaaatac	agtcagaggt	agaaatacgg	gactgactca	taatcttgtc	actgtcagag	29580
agctgttagt	aacacttgga	gaaacattct	ttctcttttt	aaaaattaaa	gttttggttc	29640
gttttttgaa	acagggtttc	tttctataat	tctcgtctga	attcactctg	tagatcaggc	29700
tggccttgaa	ctctcagaga	tctacctact	tctgcctctg	agtgttagga	ttaaaagtat	29760
gcgccaccac	tgcttggcct	taaaattaaa	tcttaatagc	taaaagcata	ctcttcttac	29820
agtagaactc	tgaaacttta	aaaatcatat	ttgtatat	tacaacaggt	ctctctgcaa	29880
agcccagact	agccttgaac	tcaagacagt	tctacctcct	ccactgtatg	gtataattac	29940
aggacttgtg	ccaccatgcc	cagctttaaa	aaattaaatt	atattccagc	ttgcaaagaa	30000
agaacatgaa	tgtgaagcct	tggccaggcc	ccttaccctt	ggagtacatt	ctttctgtaa	30060
atgaggaaat	ttgactgagt	gccctgagct	ctggcagctg	tgaggcgcac	tgccgtttgc	30120
atcctaatac	ggatggttgg	ttgctccatg	tgctttacac	tcccttatgt	ggtagtattt	30180
cccaagactg	tgtcttcatg	actgagggaa	aggagcagcc	ttgtgcacgt	gcacttccgc	30240
accttgatcc	cctcagttcc	cacggggcac	agactcagga	tttccttgag	ttcacagcag	30300
tctcccagtg	agcagtgagc	cgggtgtgtg	gtgctggctt	ttcagtaacc	accagcatg	30360
tcgcctttag	tagattttgt	atttaaccac	tgtgatcagc	tgtggtaaaa	agctcccctc	30420
tcactcagca	gaagccctct	tcttgactct	cagatgttct	ggtgtgttca	aaaacaatta	30480
tttatattct	ttgatttttt	tgtgggggtg	tttttaatta	aagcagcagt	aactgaaaaa	30540
gtaagttaat	gacaaatatt	aaaagtaagt	taatgacacc	actgcataga	atggaaagaa	30600
taaaaggctt	tttacaaaag	aagacatctc	tattagaacg	aagtgagcag	tggacaggat	30660
gcctgcctgg	ctccccgccc	tctgttagct	ctgcttccca	tagaaaatag	aatttaactt	30720
tagtcgtcac	aattttttgt	ggaggctgat	ttcacatttg	aggtaaattt	cactagatta	30780
gcatgggagg	agaggccctt	ttctacagga	acagagataa	gatacttgta	cacattttatt	30840
gacgaattct	cattttctca	agggaccatc	cttggggctc	acggcctcat	ctgcaatact	30900
ttcctgtagg	gagaagggga	cttttaattct	gctgcttcca	aaagcctttt	acttttctga	30960
tttttttttc	tcttcttttg	gcccttgtgt	gtcttctagt	tagatagggt	ttctgagcct	31020
cctgcttttg	ggccagtgtg	tgacctgctg	tggctctgac	ccttagagga	ctacggcagc	31080
gagaagaccc	tggagcacta	taccacacaac	actgtccgag	gctgctccta	cttcttcagg	31140
taagctgaga	acacagtga	acaaactggg	ccccatttta	ctttttcagt	ttttctttta	31200
ttacatatgt	gtctatacac	atgaatgcag	gtccaagaga	gagactagag	acataagatc	31260
ccctgcagct	ggaaatatag	gcagttgtga	accaccaggt	gtgggtgctg	ggaacttagg	31320
tcttctataa	gaagagcaca	tactcttaac	cacagaggca	tctttctagc	ccactgtgat	31380
ccatataatg	gaattattct	tttctaaatt	aatttttttt	tctttatgaa	tgttgtatct	31440
gcatgtctgt	ccgtctatgt	actaagtgtg	tgcctggcgc	cctctgaagt	tagaggaggg	31500
tatttatatc	actagaacta	gaattctgga	atcaccatgt	gggtgctaag	aactgaactt	31560
gggtcctcaa	taagagtggg	aagtgttctt	aaccacccgc	ccatctctca	agccctaggt	31620
ttatgaaatt	aatcttgcca	ccacacctgg	tattatgaaa	gttttcttaa	tggctcaggt	31680
ctcaaacaag	aagtagagac	tactgtttag	tctcattctc	tgtgttctta	tttctctttt	31740
ttctctgtcc	cctctctcac	ctccttctcc	tcttcttttc	attttggtgt	tggagagcaa	31800
accagggacc	ttacacatcc	tgggcaagca	cttgttcaat	cccttaatat	caggaaaagt	31860
ttaatatgtt	cttagacatg	agatcataag	aagtacagat	tagtgaacac	agttaaaacc	31920
tctcccagta	tctcaactgt	ataagctcta	aatgatttat	tatttgtttc	tagatatcat	31980
ctagatactt	cctaacgata	tgacttttaa	aagattttat	ttctttattt	tattatttct	32040

atatatttata	gctgtcttca	gacacaccag	aagagagcat	tggatcctat	tacagatggg	32100
tgtgagccac	catgtggttg	ctgggaattg	aactcaggac	ctctggaaga	gcagtcagtg	32160
ctcttaacca	ctgagccatc	tctccagcct	cttattttta	tgtgtgtcgg	tgctttgcct	32220
gtctgtgtgt	gtgtaaacta	catgtgtacc	tgggtgcttg	ggagaccaga	agtaggcac	32280
ggatcccttg	gatctggtag	ttacagatga	ttatgagcca	tctgggacgg	ggaggggtgg	32340
gggctgcaaa	cgaaacctgg	gtgggtcttc	tgcaagaaca	ggaagtgtct	tttagcactg	32400
agcatgtctc	ctccccctcc	ctctctcttt	ccctctccct	ccccccctct	tttttttctc	32460
tctctctttc	tctctctcta	tgtatgtatg	tatgtatgta	tgtatgtatg	tatgtatgta	32520
tgtacgtaca	tacgtacgta	cgtacgtaca	taatcccagt	atgtgagaac	aggcaggctg	32580
cacaatgtga	gtccaaggcc	agcttcatct	acatagtggg	tgccaagcca	gccaggccta	32640
cgctcttagg	gttactgtta	ctgtgacaaa	acactatgac	caaaaagcaa	gttttttttg	32700
ggggggggca	gggagggttc	atgttgctta	tcagatcaca	atccatcatt	ggagtaagtc	32760
aagacaggaa	ctgaactagg	gctggaacct	ggaggcagct	gatggagaga	ccatggaggg	32820
tgctgcttac	tggcttgctc	ccagcttttg	gaacttctgc	tattgaccaa	aacaaaccaa	32880
aaccaaacc	ccagaacact	gatccaagcc	taggactttt	cctggaagtt	attgtcctaa	32940
agttcacatg	tgagctcttg	gtatggtttg	ccaagcctaa	ataaataaat	aaataaagta	33000
gagaaaataa	agacattgaa	atctaaacta	attttaattc	caactgtttta	ttatgacaaa	33060
tttagttctt	taaaaatctt	gctaactggg	taagataata	cagtaattaa	atgatacata	33120
tgtataaaag	aagccttaat	ttgcccttaa	acatttttaa	aataatcggt	ttgaattcta	33180
ctctgccatc	tatctttcta	gtgacttatt	tactgaaaca	atttaacttt	tccctcttat	33240
gatgttgctt	aaggacttag	cattattggc	caaatgtcat	ttgttacagt	tcctgtgggc	33300
acctgccaac	acctcttaca	acacaggcct	tccaccacga	aattctcttc	ctaacacttg	33360
gcttgcaget	atccccatac	tcacctgagt	tccctgcate	ccagtcctgc	ctcacagagc	33420
tcttatagca	ttggtggaca	cacttggcag	aacaacagat	gcacctgagc	cagcccatac	33480
ggcgcaggct	tacagctgac	attagaagtc	atgcgctgac	tcttgttttt	agtctttttt	33540
tctcttttgt	tttacgtgta	ggagtgtttt	gtcacatgt	atgtttctgt	accacatgtc	33600
ttcctggtat	ccatgggggc	cagaacctct	agaactggaa	ttacagatgt	gggtgctaag	33660
aaccaaacc	agatcttctc	caagagcagc	tcttaatcac	tgagccatct	ctccaccccc	33720
acctcacagt	tttgtttctg	tttctgcact	tttctgtcag	cagtcttttt	cagtgttgat	33780
aatggatatc	cacaaagtgc	tgtccagtgt	ccgtgagcaa	agcagactgt	agtgttaact	33840
acagagattt	gtcaagtgtg	agttgtgttc	ctggccatga	gttcaatgtt	aatgattcaa	33900
tcttatattt	acataaaata	tcattatgca	agaaaacatc	ggaaacactt	aagtggttga	33960
tgaaaatatg	gccagaggct	cctaggaatc	ttaaacctca	tacggaacct	aggaacaatg	34020
tctcatggca	tgaatccttg	gccgtgggct	ctaccagaat	tccacagcct	cctacctcat	34080
tcctaaggcc	ttctcaaaac	tgtttcacag	tctatgaatg	gctaacagac	cattcattgt	34140
tcctatgcc	gtcaagaggg	ggacttctct	ttccgaaatt	gtgataatgt	catatatagg	34200
tgatcttaaa	attatacatt	ttccactgag	catagtaaaa	agaaaattgc	cccccttttc	34260
tcagacagga	tcccgctgat	cccaggctgg	tctcaaacct	actatgtagg	aaaagacagc	34320
cttgaacttc	tgttctctct	gtctcacctc	ccaagtaact	gggttacatg	cgcagcatcc	34380
ctaaaaatat	gtgtataggg	gttggacccc	ggaatttgta	tgtgtcacaa	gcagtagaac	34440
agcttagtta	tatcccaatt	caagaaagaa	atactttcta	aaagataagt	aagtaacagc	34500
tacaaaattct	gatggtaatt	ttatatccta	gttcttctct	gttgtcaaac	agaagtcca	34560
aaaaaaaaag	accatttttag	gagtatatgc	agatatcatt	agagtatggg	ggtctataat	34620
atttatatct	actcctgaga	tagccatgca	tagtaactat	ttgtatttga	tattacatat	34680
aaagttataa	gtagattctt	ttaatttttc	taaaggtttg	atgattttaag	aaaagcatgc	34740
actaattttg	taggaacctac	tgtatacaca	tacatgcata	catggagttg	tgatacatct	34800
tcgtatcaaa	ataccaacat	ttttgatcct	aataactagta	gtgttaaggt	aaaataaatt	34860
aaaagatgga	gaaactttct	attctaaggt	gtcttcttca	agtttgatag	tagtgtgaaa	34920
tagaaatcac	tggtttctga	gctttttttt	tttttttttt	aatcgaaatt	gaatataata	34980
tactcgacag	acagacatag	agtgtttttc	ctctgggctg	gaggagttac	tcattagacc	35040
tgttctctgt	cctctcaagg	attctcggag	aggcctgggt	ttaagacgct	ctgaggaggg	35100
aggttgtgag	ggaggagctg	gtttctgagc	ttttaataaa	agttcagtcg	taggggctgga	35160

gagatggttc	cgtggttgag	agcactggct	gtttttccag	aaggcctggg	tggaggcaca	35220
atgttattgt	gcagtgtttg	aagattatcc	atgtattttt	caagtgctga	tttctctgcc	35280
tccacgtctg	gttgcaatcc	tgacatggca	ttgtaatact	tactttaaga	ctctcctcct	35340
gcctctgtga	tgtgatgctc	cttattgatt	ctctggtctg	tcaataaaag	ctgatcagcc	35400
aatgattggg	cagaggaggg	aatggggctg	gacttccgat	gccagccagg	ggggagggtc	35460
gggggagggg	agaaagggcg	atgggaagtg	ggattcactc	agaggagagg	gagggtggag	35520
gggaccttga	gaacacacct	ggagctgagc	gacctcagagc	agtgtctaaa	tacaaggatc	35580
ttgggggttc	gggctgggag	ggagccagaa	tatttttagag	gattaaaaca	gattaatatt	35640
gaccagctat	tgtggtgtaa	agcttgatta	aacaagactt	acagtatcat	ctcattgatt	35700
tggaagctag	tcagggtaaa	gaaaaaaatt	atcactctga	tggctctaac	acctagggtc	35760
agttcccagc	gctcatgggtg	gttcgtaatt	gtctgttaact	ccagagtcac	gggatctgcc	35820
acctcctttt	ggcctctgtg	ggaactagac	cctcagatgg	tgcatatcca	tacaagtagg	35880
caaaagcctc	atagaataaa	gtaaatcttt	aaaattgcag	agtccatagt	ctctgtaatc	35940
ttaaaacaac	tctcagattg	ggtgttctgt	ttcttcctat	taaaacataa	ctgtctataat	36000
tccatattta	ggtttttctc	attttctttt	tcagttaccc	tgcagtttgt	gaatttttac	36060
agaacaacag	tttattatca	ataatcagag	cccatgaagc	ccaggatgcg	gggtaggttg	36120
cacttagacc	tcaccttctc	gcagatttta	cttttagtgt	aaaaatgcct	gagttcatat	36180
ctcctttttc	aggtaccgaa	tgtataggaa	gaaccaagca	actggctttc	cgtcacttat	36240
tacgattttc	tctgccccta	attacctaga	tgtctataac	aataaaggta	aagaagtcca	36300
gcaatatctt	agtgtgaatt	gttagtaact	gtgagctcta	ctttaatttt	gtgttttatt	36360
ttattattgt	gttcattttg	ttatttttat	tttttggtct	tgtggatgga	acctcaggtc	36420
ttgtgtttgt	gaagcaggca	ctctacccct	gagctatata	ctggacacct	atttttaagt	36480
acaaaattca	gtcagataag	aaggtcttgg	gtaaggggtg	aggctttgta	gtaaagcatg	36540
tgtttagcat	ggggaaggcc	ttagcgacac	tctctggtat	cttactctgc	tctgcaccag	36600
ctccccaaga	atctgacata	tctacctctc	tctccccaac	tcctcttctg	atttgttctg	36660
ttttgagaca	aggttttgtc	atgtaatgca	gactggcttt	gaacttgggg	tcctcgtgct	36720
tcctctccca	agtgttaggg	ttacaggtat	gcactcccat	tcctagatga	agaagagatc	36780
ttattgggaa	aaaaaggtea	gtaagttagg	aatgtaagct	gctgcttgte	cttcatctcc	36840
tgagagatta	ggctctttgg	gagcatattt	gtttagtatt	ttaaaatggg	atctcactgt	36900
acaaccacga	ccagcttcaa	actcccaccc	tactttggcc	tcctagtgc	tgggattaaa	36960
catccaccat	catacctggc	tctccattag	gtgggtgggt	ggttggtttg	gagacagggt	37020
ttctctgtgt	agccctggct	gtcctggaac	tcactctgta	ggccaggctg	gcctaaattt	37080
gaagattcac	ctgcctctgc	ctcctaagtg	ctggggttaa	aggtgtgagc	caccactgcc	37140
ccagttttgt	ttcattttaa	tctgagactg	agagctggag	agatggccct	gtgtttttaag	37200
agcactggct	gctcttttta	caggacctag	gagaagtttc	aggggaccca	acaccatcac	37260
acagacatgc	atgcaagcaa	aacaacaata	tgcatataat	taaaaataag	ttgtttttta	37320
aaaatctgag	actatccttc	agtggttttt	ctttctcttt	taatcttggt	ctctgttagg	37380
acctagagcc	ttactcttgt	taggaggtat	tgggcgtgta	gttccactcc	cagccctgat	37440
cactcactcc	ataaaaaacag	atcctccctc	ccttagcctt	agctttatca	gctttatcaa	37500
ctgctccagg	ctgtcctcta	ctcctgactg	tccaactggg	ctctgcacca	cctttactgt	37560
gttctcattt	cttttcccta	gatttcatgg	gtattagcag	cttgggtttt	tttttttttt	37620
ttctagtttt	cctttcttat	caagtataca	tactttgttt	taagcatcct	caaggatagt	37680
tgtgccccta	tgcctcgttt	tgtgaggcac	tctcttccct	ctcccttttt	agcaccactg	37740
ttgagatcat	ctgtggaaag	ccttggggct	ccagtggtgc	ttagctgaga	cctgcaactca	37800
catacgcact	tgctaatacc	ttaccaagaa	atacctttat	tttattttgt	tttatacata	37860
ttttttgaga	cagagtttct	ctatgctgct	ctggctgtcc	tggaaattac	tatgtagacc	37920
aggctggcct	cagactcaca	gaaagctgct	gctgctaact	tccaagtgtc	gggattagag	37980
acatatgtac	taccacccaa	cagttttaca	atgctctctt	agttctgaga	agaactctcg	38040
caactctctc	ctcctatggc	tgcctttctc	gtcatttggt	ttcttatttt	tttgagacct	38100
aggccagatg	acctttgaat	ttgctttgtt	gtctacaatg	gccatgaaat	tctaactctc	38160
ctgctcccat	tccagaatac	tggaaattaca	ggcatgtgcc	atgtctgaca	tctgtgtgtc	38220
caagcctcat	gcattgttagg	catcgtctct	cacgtctgagc	atctttggag	agatcttttag	38280

gctcattggt	accagagctg	tatctttggt	ccctgatgac	ctaaaacatc	cttaaattgg	38340
ggtttttatt	cttattttctg	tctccccacc	ccctatcccc	tggaacata	ctccaaaaat	38400
ttcttaagct	tccattttta	atcatccact	gttgagacta	acttcttttt	cctgtgacag	38460
aattactgat	atattcatgt	cagctatata	aaatgcacac	agcatgaaaa	taatggaagt	38520
gtacatgtca	ggtaaagtta	ggctttcaac	aactggaaat	cctgtttgtg	tgtgctttat	38580
agtagtctgc	catattcatt	ttagaccatt	agtaacttaa	agtttagaac	actagtctat	38640
cccacagcaa	ggaaacagga	acccaatgtg	accttgggtc	gtcattttta	aagaattgtg	38700
tttcatgtct	cagtaagaat	aattgaaaga	aagccagggtg	tagtggcaca	tacctttata	38760
atcccagaac	ttgggaggca	ggaggcaagt	ggattgctta	aattgaagac	cagtcaggga	38820
attcctgaca	gctagagctc	ttgggtggtg	gtaagagaag	agaagaaaag	agaagagaag	38880
agaaagagag	agagtgtgtg	taaaaaacaaa	ccaacaaaaa	accctaacca	aacaaaaaag	38940
aataattgaa	taaatagtac	aaataacaac	aaacgagaca	gaataaggaa	tttttaaaaa	39000
atataaagaa	gccttttccc	cagccccctc	agcagttggt	taggggctgc	ccctcaccta	39060
aggcaggaag	gtggtggctg	caaagacaca	aaagtttcta	gccagatgac	acaggtctct	39120
gattccagca	ctcaggaggc	agaggcagag	gcaggaggat	ctctgtgaat	ttgaggccat	39180
cctggtctac	agagcaagtt	ccaggatatc	caggagtaca	cagtgaacc	ctgtctcacc	39240
cacagtcaca	ggtctctggt	gtttgtcaac	tctgggctcc	tgtttggtat	aaaaagtgga	39300
aagtacacgc	tgaggtacag	actctgaaga	tgatcagaca	gagccaagca	aaattgggta	39360
tcttcaataa	aaactgccc	gcttgagaaa	atctgaaata	gaatactatg	ccatgttggc	39420
caaaactggt	gcccatacaca	aaagtggcaa	taatattgaa	ttgggcacag	cgtgcagaaa	39480
atactacaga	gatgcattgt	gggtattatt	gacctgtgtg	atgctgatat	tatctgagggt	39540
accagaacag	attgatgaac	aatgaacaag	gaaagctttg	ccagagctca	tttaaaagaa	39600
agtatacaga	aaatcagtag	gtatgcattc	atgtgacatg	gttactgtca	gctgtttata	39660
gacactcaga	atgctgagaa	tagaagacac	ttttttaatt	gattgagatt	ctacattcta	39720
cccttaaaca	ttaattataa	attattttgc	catttattgc	actgtgagtt	gataacatct	39780
tgagtggtt	ataaaaagct	ctagctgtgg	ctcatgactt	gcaaaggagt	ctccgtctgt	39840
tcgatgggta	atagtgtctat	ttgcccttag	aaattgtgac	tgtaactgg	ccagtaaatg	39900
gaaattatag	ggagttttct	atgttgaatc	tgaagtttct	tcagtagcta	gtgcacagta	39960
aacccttggt	ttttcaaaga	gcagtgtctt	ctgtgttttg	atgatgtgaa	ttccccaggt	40020
gtctttgttc	ccggtgataa	ttaatcccca	agagaatgaa	ccctttaaaa	ttctttaaac	40080
ttgtcaggct	gtcctgaatt	tacaaatgga	aaataagtca	ttgaaaagtc	actgtagtag	40140
gctcacaggg	acaaagcaca	aagctgtctat	gctggggttc	tctgtgcaca	catgtcttgt	40200
gtgtttactt	tttagctgca	gtgttgaagt	atgaaaacaa	tgtcatgaac	atcaggcagt	40260
tcaactgttc	cccacacccc	tactggctcc	caaacttcat	ggatgttttc	acgtggctct	40320
tgccctttgt	tgagagagaa	ggtaagagaa	tcctgtgtgtg	catctgaaca	ccagctctct	40380
tctgatgaga	cacctttata	ttcccagagt	ttattggaaa	tgtgtgctaa	ttttgtttgt	40440
tctctacaaa	gatttttaaaa	atttttactt	ataaaaaaat	ctgacttggtg	tgtgtgcagg	40500
atgtgtatgt	gtgcagtact	gggtgcaggga	tgtgtgtgtg	tgcaagtactg	ggtgcaggat	40560
gtgtatgcgt	gcagtaactgg	gggcaggatg	tgtatgcgtg	cagtaactggg	ggcaggatgt	40620
gtatgtgtgc	agtaactgggt	gcaagatgtg	tgtgtgtgtg	cagtaactggg	tgcaagatgt	40680
gtgtgtgtgc	ctgtgtgcat	ctgaacacaa	gctctcttct	gatgagacac	cttttatattc	40740
ccagagttta	ttggaaatgt	gtgctaattt	tgtttggtct	ctacaaagat	tttaaaaaatt	40800
tttacttata	aaaaaatctg	acttgtgtgt	gtgcaggatg	tgtgtgtgtg	cagtaactggg	40860
tgcaaggatgt	gtgtgtgtgc	agtaactgggt	gcaggatgtg	tgtgtgtgca	gtactgggtg	40920
caggatgtgt	gtgtgtgcag	tactgggtgc	aggatgtgtg	tgtgtgcagt	actgggtgca	40980
ggatgtgtgt	gtgtgcagta	ctgggtgcag	gatgtgtgtg	tgtgtggaga	gggaagagga	41040
ctaacttggtg	gagtgggttc	tctcctttta	cctttactgt	agcttcagggt	attgagctca	41100
ggtcaccaga	tttacatagg	aacacottga	tccagtgaag	cctatacaga	gatttttaaaa	41160
tggcattaat	ctgttcataa	atattagtct	attatgggtt	ttctttatgt	gaaatataaaa	41220
tttaaaaacaa	ctgtcttgtg	tgatcaagat	cctaaagtaa	tgtggccact	attctatctc	41280
ttcaatgaat	tatcagtgct	aacagaatgt	agactgaact	tgttacagag	gttcattgtgc	41340
acaatggcac	aagtaagcag	tacaaacata	aaacacactt	acacaactga	gctgcgcacac	41400

gcaaacagac	ccacaagtga	gcagtagaga	cagaaagtga	gcccgggtggg	tggaggcccg	41460
ttgtgatttc	tttgtaaaat	ggaaagtfff	atatgcatat	ctgagccaaa	ggttctgaac	41520
agctatgtaa	taaaatcaag	tagttctgtg	atagactcca	cagggtctta	tccagccagg	41580
acaagtgtgg	acaaaaattc	tctctggggc	tggagagacg	gctcagtggtg	taagagcact	41640
gactgctctt	ccgaaggtcc	tgagttcaaa	tcctagcaac	cacatggtgg	ctcccaacat	41700
ccataatgag	atctgacacc	cctcttctgg	agtgtctgaa	gacagctaca	gtgtacttac	41760
atataataaa	tacattttta	aaagaaaaaa	agttctctct	gaaccttatg	gtctaccctt	41820
ggttctatft	tcatagctaa	ttataatgtg	ataagttgtt	tcggctctgtg	tttactttaat	41880
gtatttttaac	ttatgcacat	ccagaagtgt	cctattaatt	gtgcacacac	tgtgtttattt	41940
gccacttagt	gacagagatg	ctgggtcaata	ttctcaacat	atgctcggat	gaagaaatga	42000
acgtaaccga	tgaagaaggt	aaacttctta	ctcaaataga	agctgatggc	ttctgatttc	42060
tttttattgg	ttttgggtctt	actagaaaag	acttatgttc	attgtaaaaa	aaaaaaaaaa	42120
aaaagtfttg	tgagcagtggt	tgggtgcatgc	ctttaataacc	aacacttggtg	aggcagaagc	42180
attcagattt	ctgagttcga	ggccagcctg	gtctacagag	tgagttccag	ggctatacac	42240
agaaaccctg	tttcaggaaa	aaaaaagtft	gataactata	ggaaaccata	aataggaaga	42300
aaatagtcac	tattgtttctg	ccatctcaaa	tgtctgccat	caatgcctat	gtgtaaactg	42360
tctttatctt	tacatagatc	ttttttcttc	tcatttttgt	cacttacaaa	aatgaggtga	42420
catgctatca	tgtctttata	tctatttctt	gttttctctt	atagtctagt	ttttcatggt	42480
tacatagttg	tcacattcat	caatcactgt	gctaaccaat	attatagatg	ctgctgggta	42540
ttatatfttc	ccccacaact	ttagctftta	aaactgctac	aatttgtcac	cagatggaag	42600
aggcacacac	cataatccca	gcatttagga	ggcagaggta	gatggatctc	tgtgaattca	42660
aagctagtct	tgggtctacag	agtaagttcc	agagctacac	agagaagccc	tgtcttgaaa	42720
accaaactaa	aacctgctaa	cagtttcaaa	tttgtataga	taaatcactg	ctcattctat	42780
caacagccag	actttgttat	atgcctgatg	tgtgccaaat	attgtttatg	cctttctctt	42840
taataaacat	acattgtact	atggaagaca	aacaagaaat	aaatacaatg	cagctaactaa	42900
tgcattgctat	ggaagaaagt	agtgcctgtat	tagtaactct	gagagtaaca	tttacttggt	42960
tactttttata	ggttaaatgt	ctagaaactg	caaatafttc	agtattftaat	gcttaatctg	43020
atacagatag	cattttttgtt	tgtttgtttg	ttttgttttg	tttacacagg	gtttctctgt	43080
gtagccctgg	ctgtcctgga	actcactctg	tagaccaggc	tggcctcaaa	ctcagaaatg	43140
cgctgctct	tgcctcccaa	gtgctgggat	caaaggcatg	cggcaccacc	accccatccc	43200
caccccaccc	cacccccgca	tagatagcct	tttaaagtct	atgttactct	gtatctcttt	43260
gtgtgtgcta	catagttcat	aatgctfttc	ctagtactgt	ttattttctt	attgcagttt	43320
acacacacac	acacacacac	acacacacac	acacacacac	acagagtgtc	gtagctagaa	43380
cccagacatt	gtgtaagcta	gactagtgtt	tacctctgag	ctgtatccct	agccctaaat	43440
ttttaatttg	tacttttatg	atgactaata	attgcatttt	tcttatgtct	attgaccata	43500
ttattttctg	ttttgtgaat	gtaaattcat	atattactag	tttttcaact	ggatcctatg	43560
catgttttgc	ttcctgtttg	atatgtaaga	gatcttctgt	ttgtgtctta	ggatagtaat	43620
gctggttata	tgtgtagcta	agtgcftttt	ttcccttctg	atttctatca	ctattaatta	43680
gtttgtttcc	tttagaagaa	ttaagtftaa	attaatttgt	agccaggtgc	ttctagtgtg	43740
ttgtgagtgg	tttgatctga	aaggtatgct	ctaactgttc	tgaggataca	ggagttftttg	43800
gggtatgggt	tcacatgate	acagacctcc	agttcatatt	cfttgacaggt	ctatgtagtt	43860
catttaacta	ttgcataaag	tgttgtatgg	tggagaactc	atagctccca	ctgggagttc	43920
agaggggatt	ccaaaacata	tgtgttatta	gattgtactg	ggagattata	acagatggat	43980
tatagcttat	atcttctgga	taggaaattg	gtgaatgggg	cctgtccttt	tgaggaaaac	44040
tgaaggaac	tttaaaaaga	acatagggaa	agtaaaatat	tttaaaatgg	atttaataaa	44100
ttttatatgc	acatctaaat	agaaattgaa	atggtttgtaa	actatgatct	gtgttaagaa	44160
aaactftttg	ggcttggtgag	atagctttagc	tgaacgaagge	tcttgctgat	ggggctgatg	44220
gcttgagccc	catcccaggt	cctcatgtgg	caaaggaaac	ctagtctcca	cacattatct	44280
atgacctgca	tacacaggct	gcacagtgtg	cacttggttc	ttctctctca	ccaggtggggc	44340
tctaaggctc	taactcgggc	cagctftttg	gcaagcacc	ctaccactg	agctgaaaat	44400
ttgggtfttt	aaaaagtaat	acatcctaag	gacttctact	tcagccctgc	ctgttaagac	44460
aactagaaaa	gttggaacaaa	atgtfttttg	aagttggttg	gtggcagttc	acgtccttaa	44520

tcccagcact	ggggaggtag	aggcaggtga	atctcttaag	ttcgaggcca	gcctggtctg	44580
cagaattcca	ggacaacca	gcctacaaca	gaggaaaaac	cctgcctaaa	aacaaaaaca	44640
aacaaagcaa	aacaaaaaca	aacacaaagt	tttatgaata	gttttaagtc	cacatgaaag	44700
cagacaaact	agtaaagaat	tacaaggtga	gaaatgaaaa	ggtcagaaac	gcagacagat	44760
gaggtagtga	gaccatgtct	tgagatcatt	catgaatttc	aaaggagtgg	gtaaaagggt	44820
taagaggaat	ttttataact	ttgtgtacta	atcttaaaaag	aatgggctga	ggactcccaa	44880
ggaggggtata	tatgaatgta	agtttctgtt	cttgggacct	cagaggggtga	ctctgcaaga	44940
gcaaggggtga	gccaggtgga	gatatactat	acagtctctc	gtcatcatct	cagccttttg	45000
catcaagtac	tccctggtag	aaagatctct	gtgaaataac	agcatacaac	atcccagtag	45060
gcagtctgtc	aaatacagtg	cattggtgac	aagcaaaaat	aagcaggcac	gtggggagct	45120
aacagcagaa	tgaggaagag	aaagggttcc	cagaacaggg	ctggcaggat	ggctcagtgg	45180
taaaggaact	tactgcatag	gcttcacata	ttctagcttt	gacttcatag	agctagtata	45240
agtctctgtc	cactgtgttc	acactgtggc	atgatcctcc	ccattacgca	tactcaggca	45300
tgcgtgcgca	tgtacatata	cataagcgca	ataacaacaa	cagaaataag	atttttaaaa	45360
gttccagcca	agcatgtttg	catacatctt	taattacacc	acttaggagg	cagaggcagg	45420
tgactgtgtg	tgtatggaat	atagaagttc	tgggcagtc	caagatacat	aatgagactg	45480
tcacaaacaa	caaagaat	tcacagggcg	tgggtggcgca	cgcctttaat	tccagcactc	45540
gggaggcaga	ggcagatgaa	tttctgagtt	tgaggccagc	ctggtctaca	gagtgagttc	45600
tagggcagcc	agggtacac	agagaaaccc	tgtctcaaaa	aaacaaaaac	aaaacaaaaac	45660
aaacaacaac	aacaacaaag	aattttctga	agcagcagaa	attaaatata	gaccctccat	45720
agctctcagg	cattggcttt	gttaagccaa	acttaaagca	aagcaaaatc	ataatttggt	45780
tttttgggag	attgactggc	ctggaactca	ctggcttgaa	acatcacaga	gatcctcctg	45840
cctcagcctt	ttgagcccta	cgattaaggg	tatccctggc	ttaatttaag	aaatttaaaag	45900
accgggttaa	aaatgttggg	agagaattgt	gaagtaaaag	aaagtgtagc	atatttgata	45960
aagcatcaaa	agtgaattaa	tagcattgaa	aaataagatg	acaaatttagc	aagtttgatg	46020
cagtgaagaca	gggactaagt	gacctggaag	gtaggtcaga	gcaaagctaa	ctgaagcatg	46080
gtgagaaggg	agtgcagagt	cagccaagag	cctcagaaca	cgcgctgcca	gccagcaca	46140
tgggtgctgg	agtaccagag	aaagcgggaa	aggcagtcct	tgaaagggtcc	acatcaaagc	46200
aacttccaga	actgagaaga	cacggagctg	taactgaaga	agccctcagc	agagcaggac	46260
agacactgac	aacagcttct	agcctcttgt	agtgaaggct	acaagatgga	agatggatct	46320
gaaaacagct	tccaaatggg	ggtcacccct	agggaagccg	ccgccgaaaa	gcagggttctt	46380
catggagata	ggggagcagg	gctggagtaa	cacaccaatg	tgtgaaaact	aacaccagct	46440
actccagagt	ccagcacaca	gcaaattgtg	aaacaagaaa	ggccaaataa	atatttgtag	46500
atacctctcc	aaccctcaca	tttactaaga	aaattagcag	gaaatatata	ctaaataaaa	46560
ttctaaagga	cagtatttaa	gcagaaggaa	aatccaagaa	agaagtttag	aaacacagga	46620
aggaatgaag	agaagtagag	agcgcatgca	cagacagtgt	ggacatggat	tcttgatcatg	46680
cttgaacaag	cagagcatgt	gccagtaact	tataagcaat	actgggatga	atgcattcaa	46740
aatgtatagg	cctgaaaatt	ctgatcacc	cagcacctct	gcatacatga	taagccagtg	46800
ttctgaacta	tagccccagc	cgttagcctt	atacttcagt	acgtaacaaa	ctcatagtgc	46860
aatctctagg	ttcagctggc	ttacaggttc	agaggttcag	tccattatga	ttctagtggg	46920
aagcatggca	gcaccagggc	aagcatggca	atggaggagc	tgagtgttct	atctcctggt	46980
cctaaggcca	ctaggagact	gacttccagg	gagctaagat	gagggtotta	cagcccatgc	47040
ccacaatgac	acacttctct	caacaaggcc	acacctaata	gtgccactcc	ctgggcbaag	47100
catattcaaa	tcatcatatc	tctgataaca	ctagcttgta	tcaagggtga	ataaaaactag	47160
tcagtacaac	ctagccttga	ttgattotaa	acttcagagg	gaaatggcta	aagacttaaa	47220
gaaactccaca	ggagggcttg	ctctatagat	gtcaagattt	aatataatgc	tacagcaatt	47280
aagatgatca	attcaagggt	agctaagcat	tgaaacacaa	tagagaatcc	agaatttaagc	47340
tacatgtata	tggatacttg	attttatcag	agggtgaaatt	ttacaatggc	tttgtttggtg	47400
tgagacctca	gtgtatagct	ctggctatgc	tggaaactcac	tatgtagaca	aggctggcct	47460
ttaaactcaca	gagatccacc	agctctggga	ttaaagggtat	gtgccaccat	acctggccaa	47520
taatggcatt	taaaatactt	tgtagatata	tacttttgaa	aaaagtaaat	cctcgtggat	47580
ttattttgtg	gatccaaaat	acctattttt	gtgactatat	ttcattctga	tctgaaagggt	47640

gcggaggctg	ggggtatggc	tctgcagtgc	agtacttgcc	tagcatcctg	aggtcctggc	47700
tgcttctcta	gcattctctac	atcacagcaa	caaacaggcc	agtaacagcc	aagcagtgat	47760
gaattcctgt	ctctccagcc	ctcacgaactg	tggcaagaga	accacaggct	gaggccagtg	47820
tgggttatgt	agtgaattgg	aggttagcct	gagcttcata	gagagtcctt	gtctcaagaa	47880
acaaacagca	gaagtttttt	aaaactaaaa	tgtagggagt	ggggagatgg	ctcagtgggt	47940
aagaacactg	gcttctcttt	cagagatctt	gagttcaaat	cccagcaacc	acatgggtggc	48000
tcacaacctat	ctataaaggg	atctgatacc	ctcttctggg	gtgtctgaag	acagctactc	48060
acatacaaaa	aataaatgaa	taatctttta	aaaaaaatct	gaaatgtaaa	acagtggatt	48120
ttgtagtatg	tataatacag	aattaccttg	ataactgtgc	aatggaaaaa	aatcctttta	48180
acgggatgca	aaaaacacta	gccaccaaga	aaattattaa	taaattagat	aaattgaaag	48240
caagagctgg	gactggagag	atggctcagt	gactaagagc	acatgcagct	tttgcattca	48300
catggctgct	gccaactctg	gttccagggg	tcttaatctg	aagccttctc	tggctctctga	48360
gggacctgaa	tgcactcaca	tgcattgcagg	taaaacactc	atgcacatat	attaaaaacta	48420
aaataagcta	ggtgtgggtg	cgcacgcctt	taatcccagc	acttgggagg	cagaggcagg	48480
cagatctctg	agttggaggc	cagcctgggc	taccaagttc	caggacagcc	aaggctacac	48540
agagaaaccc	tgtctcagaa	acaacaacaa	caacaacaa	aaaacaaaaa	aaacccaaaa	48600
aacaaaaaaa	ataaaaaact	aaaatgaagg	taagagcttt	tgcttattca	gagattttgt	48660
tcagcatgtg	aagtggcaag	acatccagaa	ggatgggata	tttgcagtac	aagcaacaaa	48720
cagcccattg	acaaatgact	gaattattcc	caattaggat	gatgtggcat	gaataggcac	48780
ctcagagaat	ttcctaattg	ctaacaaaaa	tataaaaata	tattcagccc	cattagtaat	48840
catgaaaatg	caaattaaaa	ttataatagg	ataatactct	acttatcaga	ttagtcagac	48900
ttagatgagc	catatctagt	gttagccaac	agcacatgta	gtaacggagt	gtccacatac	48960
agaagtaaaa	tgttatagat	cccactctaa	tagacagtgc	taaatgttgt	ccaaagttaa	49020
acatacccat	gctctagaga	tgagcattct	aatgtcctag	gaacatgcc	gaaatgtgca	49080
tatgtgcacc	aaagacagat	acatacagaa	atacatacag	agcctcacat	gcaatagcca	49140
aaagttagaa	gcaacacaaa	tgattactgt	tgtataggaa	tgaattgttg	catagttgac	49200
caggcctgat	acaactttta	acacttggga	ggcagaagca	gycacatctc	tgtgagttcg	49260
aggccagcct	ggtctactta	gtgaattctg	ggacagtcag	ggctatggaa	agagactgtc	49320
tcaaaaacca	aaataaaaaca	aaacaacaa	atagtggcac	agtgcctatg	tggggcagtg	49380
tgtgataatg	aagatgggac	atgggtgaaa	taagagtgtg	tcttactgag	atattgtcac	49440
cccagtgtct	aattgtccaa	ctatatgaaa	cccaaacctt	aaaacctggg	ccactgagat	49500
tattaattca	agggttgatg	aacccactgc	caggcctgag	caccttagtt	cagtgtctgg	49560
gacccacatg	gtggaagaaa	agaaacaatt	cttataagtt	gtcttctgac	ctccttggctg	49620
agtacacaca	aagagaggat	aaataaatat	agcttgttaa	agaaaaaat	aaaaaccata	49680
agtgcgcggg	gcatggcgca	agccttttaa	ccagtaactt	gggaggcaga	ggcaggtgaa	49740
ttcttgagtt	cgaggccagc	ctggctctta	gagtgaattg	caggacagcc	agggctacac	49800
agagaaaccc	tgtcttggaa	aacaaaaaaa	aaaaaaaaaa	aaaagtaagt	gcattcatcc	49860
ataaaaattaa	aaagacagga	agaagatagt	tctagtgaag	agcaagggac	ttatgtcctt	49920
tggacoggag	aggctacagt	ggtgaggtac	tatgggttgt	gagcaaacct	ggtattggcc	49980
tgggtgacta	gttttacagg	tatgtgcctt	ttaacaaaac	atgtcatgac	tagttttgctt	50040
tgcataaata	cagaaaaact	gtgcttcata	gtaaaaaggt	aaaaattaca	tgtctacaaa	50100
tagaggagat	cgaacttttg	gaagctgaga	aaacattcat	tggcagtggt	cagtggggag	50160
cgaagcaatt	tagaagatac	ataacaacag	cctgaaaat	gccaggacaa	aaatctgcta	50220
atgcaaaaca	gatttaaaaa	atattaaaaa	aaaaaaaaag	cccagaagaa	tcttctcatg	50280
ctgtaagaaa	aacacatcca	acgttaagat	ctgtctaggg	atggaaacag	gtaacagggtg	50340
actttttaat	gtgttagtgt	gttcacttag	tgggtttggg	aacactaaa	cctgtgttag	50400
tgttagggaa	tgttgaatat	cagtactagt	tgttagaact	gagaataaaa	gagcagggcag	50460
ggacactggc	ctcactcaag	taaaatagggt	gagaaccttt	gaaaaaactg	ttaaaaactct	50520
gcttgcctat	ggatacatgt	cctctctcta	agtctggagg	ctgatctcca	aaagttaaagg	50580
cattctggac	tgttagatgac	aaaggagaa	tcatgtcctt	aacagaggac	cagcatgcca	50640
tgtcagagc	cgtcagctgt	ctttttcccc	cgctctggaa	gtttgtgatt	cctctcaagt	50700
cttaccatg	agcaaacacc	aaggaccatc	agacccttaa	gcaatggcct	tacaagacag	50760

aagccacaga	aaacaacttg	aagtcctgaa	ggcttaaaact	ttaaaccctct	aggaaggaaa	50820
atgtctactg	acaagtgagg	catgctagca	agtcaaacag	cagcacctgt	ttcctgctga	50880
gagatctgtg	agctattctg	tcccacaaac	agtatctttg	tgctattttc	atgctggggg	50940
tggggtggaa	aatagtaaat	gggaattaat	gtgaagggtta	aactattaag	caatggggaag	51000
ataggacaaa	actgggaatc	tgtatttagt	cttggggagc	aagcagtctc	tgagctgctc	51060
cgctaacagc	ctgcatttca	cacttggtatt	ttttctctct	ccatgtaaac	tcccatcctc	51120
ctcccatgtg	tctgtcttca	tctcttttatt	tcttggtgtc	tcttctccct	gaagatcact	51180
acatttcaag	ctgtccaaaa	ggtatccaac	tggaatgcac	tgccagctaa	gttcttgctg	51240
tctgctctgc	cactgggtgat	tggtagtgctg	tcttgacttg	gtagtgggca	gcttcacgtg	51300
actttccacc	ctccccctca	gtgggaacgg	ctgtcttctg	tagacctgtt	gtgtgattta	51360
gctgagtggg	gaggtaggag	agaggaggaa	agcctgtgta	gctttgtctg	acttttggat	51420
gctattgect	ggtatatgcc	tgaatcttat	ctttcatgtt	tgggctattt	cctaaatctt	51480
taagaaaagg	ccataaagtc	ttacattaac	ttacattaac	agtgttgctt	tttaaaatac	51540
cttaccctac	cttgtaatct	ttgtggcaca	gttgtagta	gtattctgaa	gaaacacagc	51600
tggctggtat	aaggaggagg	gactgtagaa	agagcgtggc	cttcctaagt	tcaggactgc	51660
tgctgccttt	ggcagaccag	accccgcatc	caaagggtggc	gcttagcatt	ctcaaaggag	51720
atcttggtct	gtaggagcaa	gtgctctatt	gctgtgagct	ttgtttgtgt	ctttgtgttt	51780
cattctctac	catgtttcag	aatatgaaac	ctctgtctcc	ccatagatga	ctcggagtct	51840
ttctgtgacc	tcttcattct	ccccttcatt	tcttctctcc	tgctgatttc	ttcttgttct	51900
ttgcaacttc	ccaggattgt	taattgtttt	tttaaaaatt	taggctttgt	ttctttctct	51960
tttctttttt	taagtttttc	tttaatttaa	acataaaaagc	actccatctt	gcatttgaaa	52020
agaaaaacct	gtcctgttaa	tcatatcact	ttaaccctct	tgttctttgt	attttctaag	52080
gagctactac	aggtcgaaaa	gaagtcacac	agaataaaat	ccgagccatt	gggaaaatgg	52140
ccgggtctct	tacggttctt	cggttaagggt	ccatcggtac	actgtgggat	gagggtgttt	52200
agaaaggagg	ttacaagtta	gcttcacagc	agtgttttca	aggattcagt	ctgatgctgg	52260
aactgcaagt	cttctggttg	agtgcagggt	aaacagactc	cctgtgaaaag	tgacagcatt	52320
gggaacatcc	atgtggtagt	ggtgtagatg	gagagggtta	gtgtggattt	tagaggtaga	52380
tcccatgtgt	caaactctgg	ctttccttag	ctgtgttgct	ttgggtttta	tgtttgggtc	52440
ttagattttc	ttgtctataa	gctagagatt	aaaatagaac	ctagctcaca	tgttgttagt	52500
gagtcaaattg	ggagaaagtg	tggggacgtt	gcctggctac	cagtgcctct	ggttgaaaaa	52560
ggactgggtta	atttttgtgt	ctgaagtgtg	tgtagaaacc	tggtcagatg	aagggtggggc	52620
ctgtcttctc	gtctctgtcc	ctgttacctt	ccttcagggtc	tcattgcgtt	gctgtgccat	52680
ggctccctgg	cattaaccag	ggcttccatg	ttcctttgca	gggaagagag	tgagaatgtg	52740
ctgaccttca	agggcctcac	tcccacaggg	acactcccac	tgggggtctc	ctctggagga	52800
aagcagacca	ttgagactgg	tgagtatgaa	gatgtccctt	cctaagaggt	gtgcccccat	52860
taccaggagt	tgttgacttt	tgtttagaac	ctggtgctag	agcaatggat	atttaccgag	52920
ggaaagagga	atcattgtcc	ttatccttct	tgtacacaaa	ataattcaca	gtagatagta	52980
atthagggga	aaaagtgtga	agagttaggt	ttagagttaag	caaagtcttc	aataagagac	53040
ttttattatt	ttaataaaaag	taatgtctct	aaaagaaaaat	agaggttatt	aaaatttaaat	53100
tccccttatg	aaaatacata	attaagagaa	ggaagaggca	agccacagaa	aagattttctg	53160
cactacctat	gactgacaaa	ggccttggtt	caaaaatagac	aattttatttc	accaaagaag	53220
atgtgaagat	ggccagcaaa	catgtatgaa	gatgcccagc	atagttactc	tcttggaaga	53280
tgaatatgaa	agcatagtga	accacttctg	catacccata	agaatggctg	gaatgtagaa	53340
atctgacgag	gtcaagagtt	ggtgtgtctc	tggaggcctg	gactagaagt	aggctagtgg	53400
gcttacacat	agactcaaca	cattggccag	ctggtagcca	ataaagctga	agacacttgg	53460
accataccc	tgaactcca	caccaaggat	atccaagagg	aattagcatg	catgtccacc	53520
cgaggatatg	cataagcatg	tttgtttact	gtggttttat	catggttagct	ccagatccaga	53580
agcagctccc	ctgctgttgg	gtagtgaata	cattatatta	tattgataca	gtaggctact	53640
gctcaccat	tggacctgtt	gcattgaggt	caaagccaaa	gcttagctcc	tgtccatccag	53700
taagaaaagg	tgtcactctg	aaagccagtg	atatcttgaa	gagttacaca	tgttttggaa	53760
ataacatata	agtaatccct	aattaaagca	ctgattcaaa	ccagaaatga	agagacataa	53820
aatatactgg	gaccaagccc	aaaaaggagt	gaagaaaaaa	aaatatgtat	atacatacat	53880

atatatatat	cccaagttac	tgcacctata	aaattctctt	gctacccttg	atttgtagat	53940
ttgctcctat	gagatctagc	aaaaaaatta	tattaaagca	actttgtgga	tcaataaatt	54000
tttaaaactt	caagtaagga	agataggtag	gcatttctct	ttttttctta	atccatgtta	54060
cttcctatta	acctaaaaca	ccctcatcag	aactgttcac	agaaaatctc	atatgactaa	54120
ttaacaagta	aaataaaaagt	agttaagtat	cttatatttt	taaaagcctg	tacatttctt	54180
tagagatatg	gcctctagga	ggctcgaccat	ccttcagagg	atagttcaca	gccctgtgaa	54240
agagactaag	tagattcagt	gagttattaa	acaacaaaaa	aggagaggac	atggagatgg	54300
tgggaggtgg	gtatgatcaa	gatacactat	atatgtacaa	atgaagatcc	tgcaaccatg	54360
gagttgaggg	tgcatgtgaa	atacttttatg	gacctgagag	aggactcagt	gggtaataaa	54420
agatacttat	tgccaaagtt	gatgacctga	gtttgggtccc	acatgggtgga	agaagagAAC	54480
tatataaaag	cagaaaaacc	agccatatac	ataaaaataaa	aatcaacctA	aaaaaagtta	54540
accacagtea	gtggtaacta	agataggttt	gatgatgatg	atgaagtcag	taggtagctg	54600
gatgtggctg	catgcttgta	atctcagcac	ttgagtggca	gacatgggag	gatcaggaag	54660
gagtttgata	ttctagctac	acagcaaatt	tcagggatgg	cctggcctat	atatgacctt	54720
gcttaaaaaa	aatcgtttta	aggattaatg	agagcttcag	tgtctgtaat	aaagctcttg	54780
cctgggtgtgc	atgaaacttt	tggtttgatc	cttaggactg	gggaaatgac	agaaaggaag	54840
gaaagaaagg	aaattgttga	tgagatttta	gagaaatgag	gtcatcctgt	gctgcttgag	54900
ggaatagagc	tactgtagag	agaacattgt	atcagttctt	cagatgacta	aatagagtca	54960
ccatagattc	agcactgcca	ccctacacgg	ccccctccag	tgagagaaat	aaactatgtc	55020
ctcaccaaga	cttgtatatc	aatggtcata	catgacactt	tcaaaagagc	ctcacatggc	55080
attcttctga	acaccctaaa	gtagatgcga	cttcagtgtt	catccattgg	ataacaaagt	55140
aaggtctata	cagtgggatt	ccacatagcc	ataacaagaa	ggaatgcact	catatgcata	55200
aaggctaggg	tatactgcat	agtgagttcc	acgccagcct	agcctacgta	gtgagagcct	55260
gtctcaaaac	agcaaaaata	gtgacataca	cacttgaaac	aatgtttctag	cataggaatt	55320
atatgtaaac	agtttcataa	ttttttttct	taccatgtcc	cttggtacat	acagactgca	55380
tcttagtaac	caatgcaaaa	aacagttcag	tgagggccct	aaaattttta	tactggaggt	55440
ctgtagagat	ggctcaacag	ttaagagtac	ttatgggtct	tgcaggggac	ctgaattcgg	55500
ttcccaaaac	cacataatag	ctcaaagtea	tccttgccct	cagttccagg	gggtgtgaca	55560
tcctcttctg	atctccacat	atgcaggcaa	aacattcaga	cacatgaaat	aaataaatct	55620
agattttttt	ttttttgaaa	tgggatgctg	gtatatactt	taccacacac	attcaaaact	55680
caagtaaaac	accactctcc	gtagagtttt	agacggaaact	ctggttccca	ccttctcaca	55740
gctgcagagg	cagcacccctg	ctctgtgaga	ggtgctgtcc	ctccttgtgt	ggcttatctg	55800
gcccgctctga	ggtcagagag	actacagcag	tgctctaaca	ggagccttcc	taggggccat	55860
tgcaggcaca	tgggtgctgg	ccgccagatc	ctgctcttaa	attgcagtgg	gaggtgaagg	55920
agcttcgcag	ctctctctct	ctcatagtga	tgaaggaaac	ctcacgggtg	tcttgctgct	55980
gagtggcctt	ccttccttcc	ttaggaaagt	tgccttgga	ggagctggca	gggctctaat	56040
gggatctcat	tgtgttacc	tggaaaccatt	tcatgtgtta	cagcttgact	gcttgacaga	56100
aagtggcagg	gggaagtttc	cctattgggtg	ctcattttta	ttgcttccat	ttctggccac	56160
ggaagggaga	agattgcttt	cttagtaatt	gacctgcttt	cttgccacaag	gaaaagaagg	56220
catatgaggt	gttagcgtga	gcctctgcca	tgtcctgcac	ctcagatggg	tacaaatcaa	56280
ttagagttca	aatcaatgoc	tagctgttca	cctctagacc	agaagttaact	cctcacttat	56340
aacctatttt	tctccctctc	caaagtctag	agctatttca	gtactgtcct	attctttttac	56400
tattgttaatt	attaaatggg	taaggacagt	taggtcactgc	gtaagtcaatt	taacaataact	56460
agaagcaag	attaaatagg	attttttaaat	aggactgagc	aabagctoga	ttgatacaat	56520
ctgagcagtt	acaagctcaa	acatagttgt	gatattaaat	tatctgattt	aacaagtcac	56580
tttgatgtgt	gatgatcaca	agacacaacc	agcagttgat	gatttcaaat	tcccatgcca	56640
acaggagtgt	tagaaactgtt	agtgcctccc	cacctcactgc	gcctgtctct	gaggtaatcc	56700
cctcccttct	ctctctgggt	gggacccctg	ctgctttact	gtcagtttcc	tcatcctttc	56760
tctgtcttca	tttttgatg	cactgtctct	gccttcttcc	agccaaaaca	gaagccggag	56820
aggagcggga	aggtatggcc	atatccctca	gcgggaacac	cctgtgtctt	gttcaccagg	56880
ctccaagctt	cattggcatg	tcggaaactca	ctagcatctg	cagaaccttg	acaggaaagg	56940
agaggatggc	cctcaggggtg	gccacatgoc	agcctgtttc	tcagatggcc	atcacacagc	57000

ctgtgtcctt	tctaagtctg	tcagttttat	gtaatgactg	aagcttgtgc	agctggtaat	57060
gacagaggtc	aaatgattta	agtggttcct	ttctttatta	agagagttac	cgccgggcag	57120
tggtggtgca	cgcttttaat	cccagaggca	gaggcagaga	ggcagagaga	gaggagaggc	57180
agagacaggc	ggattttctga	gtttgaggcc	agcctggtct	acacagttag	ttccaggaca	57240
ggcagggtca	cacagagaaa	ctctgtctca	aaaaaacaaa	acagacagac	agacagagag	57300
agagagagag	agagagagag	agagagagag	agaggagaga	ggagagagag	tgtgagtgtg	57360
ttacctgggg	ctggagagat	ggctcaggga	ttaagagcac	taactgctct	tccagaggtc	57420
ctgagttcag	ttcccagcaa	ccacatgggtg	gctcacagcc	atctgtaatg	ggatccgatg	57480
ccctcttctg	gtgtgtctga	agacagcgta	ctcacatata	taaagtaaata	aaatctttta	57540
aaaataaaaa	taaattttta	aaagagttac	ccaataactc	aaaggtttagc	aggagtttcc	57600
ctaagacatt	tcagcttagg	gtattttgtt	tctatggaga	cattttaaat	catactgctt	57660
atgaattttt	agataaaaaac	cattggaatt	cacaaatctg	caatgtagat	ttagtaatct	57720
cattagataa	ggtgattcaa	aggggaattc	attccttggc	aatacaaaagt	tgtatctggt	57780
tggaacagct	cagtggtaga	atgtttatct	agagtatgta	aggcccaggg	ttcaaaccct	57840
ggtaccacaa	taaaaaat	cagtttaatc	agatgggaag	tatctagaag	ctatgttgat	57900
gtttttcatc	tgtgttcagc	tcctggctgt	gaagataaaa	agctgtttga	gcagatagg	57960
ctcctgtcac	ttgtgcatgg	ctaattgccat	gtttgtgctt	aaagcagcta	tctgtgtgat	58020
aggatgtgct	ttcctgggtg	tgccttttct	aaaagtgage	agggttttca	taagaaactt	58080
aacttccaag	tgtgtggagg	ccaattaaca	cctaactcct	tttatttctg	ccaggacttg	58140
ttatactttt	ctcttctctt	ctctttttat	gatttagtta	tttgttttac	ttacctgagt	58200
atactattgc	tctcttcaga	caccccagaa	gagggcatcg	gattccatta	cagatgggtg	58260
tgagccataa	tgtggttgct	gggaattgaa	ctcaggacct	ctagaagagc	agccagtgtc	58320
cttaaccact	gtaccatctc	tccagcccca	agacttggtt	ttcttatggg	agtttttacc	58380
acacttgagc	tgcttagaag	cagtgtttgt	gaacagagct	gatttagcca	cgtgttgctt	58440
gtcagcagat	gtgtgttctg	tagctgcttt	cctgtgcgtt	cctaggagat	tgctgtgtgc	58500
tggaagcctt	ggtttaagct	gctaactttg	ccacctctct	gagcacttcc	tacccctccc	58560
tgtctttctg	cagccatcag	aggttttaca	attgcacaca	ggatccgaag	ttttgaagaa	58620
gcccagagtc	tagaccgaat	taatgagaga	atgccacccc	gaaaagaggc	ttcatatcat	58680
catgatgcag	ggaggatgca	ctcacactcg	catccgccac	accacagggc	gtcaagaagg	58740
accgaccatg	gaaagaaaagc	cctgtaatga	ctcaggggccc	tgtgcagcac	agatgggtcc	58800
caacctatg	agcaaatcac	atttattttat	actggaaatg	aaacaggaac	aactcaaaca	58860
acttaaaact	ggaggtgcat	ttgtaattca	gtcgcattta	ttctgtaaga	aaaatgacca	58920
ttttataaat	tcttctaatt	tatgttcaat	atatatataat	atataaaaata	cttttgtttt	58980
gtttccctcc	ccttgtctta	attttaggaa	cgaatctgat	tggttgggtg	tgtgtgtgtg	59040
tggtgtgtgt	tgtgtgtgtt	gaaatcttat	gctataaagg	ggaccttccc	ctaataataa	59100
gggcttggga	aaccttccac	ctagattttct	gactcatact	cctagttagc	cctcttcttg	59160
tttggggagg	tgattttttt	ttttaattta	tgacataact	cgaaaatgtc	tttcaatagc	59220
caggcgtggt	ggtgcacacc	tttaatccca	gcacttggga	ggcagaggca	ggtgaatttc	59280
tgagttcgag	gtcagcctgg	tctacaaaagt	gagttgtcca	ggacagccag	ggctacacag	59340
agaaaaaaaa	aattgtcttt	caaaattttcc	cttctgctca	gtaccaatct	caatggctaa	59400
aattgcttct	cttctgaggg	aaacttggac	ttccaagaga	acagcccaaa	cctagtgtat	59460
tttaagatcc	aggtggaact	gcttccatag	taatttaact	cctttcgggt	tctgagctct	59520
gtgattgtag	agtgtgtgtg	tgtgtgtgtg	tgctgtgtgt	tgtgtgtgat	acataagatt	59580
gaaccaggcc	ttgcacatgc	tgtgaaagcc	ctctactgcc	ccgctggggc	tccactcctg	59640
ggttcatggt	aaaaagtaat	catcagggtg	ggctagttag	gttgcttagc	ctgcttaact	59700
aagtctgtct	cccaggaaga	agaaaaccac	cttacaataag	tcactctctg	accttccacac	59760
aacattgtgg	aacaaacaaa	ataaacaagt	aaatgcaata	aaccttttaa	aataataata	59820
atcctgagag	gtttttcttag	acctgtttta	agtcacctct	tcagctgttg	ccagattctt	59880
tgttttcagt	ttctaaacccc	agatgaacca	acctattgtg	aacatctctg	gaaggtctct	59940
aggacgtgag	cgctgagatc	tgtccttgtc	cctctgtgtc	agcacgtcaa	gcattggcagc	60000
tgttttccca	gcattcttct	gttttcaactg	tcagtgtgtc	tgaaaaaaaa	ttctcagggtg	60060
ttggaacggg	ctccttgtcc	actgaacctt	gctaggcggt	cagatgagtg	aaggcctctg	60120

ctcctacagt	taatcaggaa	actccttccc	agtgtcaggt	cattaggetg	agccctggag	60180
ccttgactag	catagtttgg	aacccaaaat	tagggattca	tatttaattg	ccccttagat	60240
tttttttttt	ttttttttga	gataagagtc	tgatttttga	gccctcactg	gccttgaatt	60300
ctctctatag	accaggetgg	ccttgaactc	acagagctcc	aactatctgc	cctgtgagta	60360
cccgattac	acaaccacac	ccggctttgt	ttgtagtttt	tgagtcaggg	tctcatatag	60420
tccaggccag	ccctacactt	atgaagctga	ggctgtcttt	gacctcctga	ttttctcctt	60480
tccatcctaa	gtgtgggcac	cactccttgt	tgggcttttt	aacttttagt	aggtgatgag	60540
ggttgtctta	tgtgtctgtc	acctttgacc	cagtctgggt	gtaggtgcc	tgggccagt	60600
ttcactgatg	gcttttcta	gactgctgga	gtctgggtac	ccttgatcaa	agcttggaaa	60660
gggtagattt	gttagccctc	tttgggtgcc	tgtgggatgt	ggaggtctag	cactaaaaac	60720
taaaagcaag	tatctcagac	aataatataa	caggttgaga	agttcagggg	aagcagaaaa	60780
aaacaacagt	ataacttttt	ctttttaaaa	aactgatttt	catgaggaac	atgaaagggt	60840
agcttgccct	tctgtggggg	tttttggggg	gggagtgtgt	cagggctatc	tgaacttttg	60900
aactagagtt	agatgtgggt	gtgagacccc	atatgagtgc	tgggatcgaa	cctcatactg	60960
gttacgctga	gtaacgagtg	ctctgaactg	ccaagccatc	tctctagccc	catctgggtt	61020
ttgtgggggt	ttattaagaa	atacttttgc	taacatttta	cagtttgtcc	atgacagatc	61080
agagagtgtt	ttggaacctt	cctgcgtgga	ctgctttgtt	cattagagag	aagaggtgct	61140
atggtgacgg	cccacagtcc	cagcactggg	gaggtggagg	caggaagggt	agtatgttta	61200
aggtcatcct	tagccaggga	gatggctcag	aaggagaaaa	tacttgtcac	acaagcttga	61260
tgaccaagt	gtgacccatg	gagctgactc	aggaaagatg	tcctctgggt	tccacacagg	61320
agccatagca	tatgcatgct	tgcactcacg	aacactaaga	gtgatcataa	tttaagggtc	61380
gtgagatggc	tcggcagggg	gagaacttgt	cttcatgtgg	ggatgatccc	aaatcctgga	61440
actcactctg	tagaccaggc	tggcctcgaa	ctcagaaaat	ccacctgcct	ctgcctcccc	61500
ggtgtgccac	cacgcccggc	aagagaaaagg	gtcttaactg	tcaggagaaa	acctgaaaga	61560
ggggaaggaa	actcccagg	aaggctcgtc	ttattgtcat	ttctttgtag	cttatgcttt	61620
ctctcccccc	aagcccagtg	gtagaaatca	tcctttcttt	agaaacctca	cctatgaaag	61680
tcacagtaga	tcgtattgtg	acacagtcca	ctgggtggagg	cccctcactg	ctaaggaccc	61740
ataagaaggc	agaagtctct	aaagtcccta	ggaaccagaa	atagttcaga	cttagttctta	61800
ggaatgtgtt	gaaataacta	ctgtttcttc	tcctttaaact	tcattagaag	tttttcacat	61860
cttttcagat	ttaaaaatct	gaacacattt	tcctcctggg	tcctccattg	catttgccct	61920
agaccagcta	tttctgctta	gggccataac	tcctttttta	aagtagttgg	tttttttgtt	61980
ttttttgttt	ttgttttttg	gtgttttgtt	ttgttttaat	gtgcattggg	gttttgcttg	62040
catgtatatc	tgtgccaggg	tgccatgatc	atctggaatt	ggtgttatgg	gcaactgtga	62100
ggtgccatgt	ggatgctatg	aattgagcta	ggtctctctg	aaaagcagcc	agtcattctta	62160
actactgagc	catctctcca	gcgccaaaga	cccatttctt	tttttctttc	tttctttctt	62220
tttttctttc	tttctttctt	tccttctttt	tttctctctc	ttctcttttc	tttctttctc	62280
tcggtctgcc	cgcctttctt	tccttctttc	tttctttctt	tttttctttc	tttctttctc	62340
tttctctctc	ttctcttttc	tatggtttta	gagctttatt	gtagaaaggc	agagagaaag	62400
acggtagaaa	gaaaaagaga	ggccagccat	ggccacgtgg	agagaagggg	aaaggaggga	62460
aggtagggct	agagatgaga	ataagaaaagg	tgagagagct	aaagaaccca	agtgattaga	62520
atcagactcc	ctaattgtgt	catccatggt	atgcattgtg	acgggtgggg	tgcctcatag	62580
tctgaaatta	tgcaaacagc	ttccagtttt	ctctgaaatc	tcaaggctgac	acctcatttg	62640
tcactagaca	ttgatgataa	aagtatacat	ggcttgtctc	atgatgtggc	tcggttgccct	62700
ggaacagggg	tgctcagact	tcagggaatg	tcagcattgg	tcctgcctac	cactgtcttt	62760
cattgcattca	tcctctctct	cagagttagc	tgctagccag	tgaacaagtt	cctctcacta	62820
gtgaacattt	ggttttctac	cctgataact	taagaatggg	ttctgtctgg	gcattgggtgg	62880
gcacgccttt	aatcccagca	ctcgggaggc	agaggcaggc	agattttctta	gtttgagggc	62940
agcctgtctc	atagagtggg	ttccaggaca	gacagggtta	cacagtgaag	ccctgtctct	63000
aaaaacaaca	acaacaaaaa	aaccttcagt	acagggggaca	gagaaccccc	tattgggttca	63060
gtcaatagaa	aaatcatttg	ctatcattaa	gagcgaagggt	aggattttct	aaaatggagt	63120
cgtctcaaga	cttcttcagc	cttggcatta	tccttagttt	ccttttctcc	gtgtgggttt	63180
caaaccacaga	gtctgagaca	gctgggtgtaa	tataagaaaa	atactcaagt	catgtgagat	63240

gcagctgggt	gccccgcttt	atagccaatt	atgcaagaac	tctctagtct	acaaatgcgg	63300
aagtaaaaaat	cccttctctc	tgcttatgt	aaatcttcta	gctgatctcc	caagcatttt	63360
ctgtatcata	tctataaata	tctgtaaagt	tcacactcta	gagaaacaag	cgcatgctgg	63420
ccaatctcac	tggccactta	cttatactgg	tttaggaaaa	tctgcctca	cattgttttc	63480
ttcacattaa	tgatcattgg	attcctctgc	ccaacgtttg	tgctgaaaat	gatttcctaa	63540
ccagtaaaga	cttgctgagg	tagcactcta	gaaccccagt	gtttaaccta	gctgttatgg	63600
taacagtgga	actcaggggg	ttttgctctc	agttttccct	accaggcag	aaaagaattc	63660
catagcagga	gtggacctag	aactcagggg	tgggtatgag	gctccagtgt	gctagattgt	63720
gtggttttac	cttatctgac	accgcctctg	tctttcctgt	agcctgttag	atcagtgtaa	63780
agagcagcca	agacagcaag	acactgaaga	gggtttgggt	cacacagagg	aatctctttc	63840
agttcttgcc	atgatcagaa	gctcataggg	aagccgtaag	aaagagcaga	tgagtgtaga	63900
gaagaaagcc	agtttgccga	aggacaggag	cagcgcctct	atctggatgc	cagcaatgog	63960
ctgtgctaac	aatagggctc	tgtgccattg	gcagtttgag	agagggaaac	tacatgacat	64020
tgggacttgg	gagctgtcct	gcctctatct	agccagccag	agtgaatggg	gtcagtgtta	64080
acggccttca	tctatgcagt	cacaaaggta	aagatgatac	tgggagcata	ttccctcctg	64140
ggaggccttg	gcctcacgcc	tcagcaactg	tggcaagacg	tgctaaataa	cacctttgtt	64200
tgagccaggg	ttatgcctcg	tcaacaattt	catgccaaagt	ctaggtgggt	tcagatcaag	64260
cagcagggac	gtggacatgg	accatccctc	tgtgcagctc	tgaagtagag	ccaagcacac	64320
tgctgcctg	taagtcctctg	cccacattcc	ctttaccccc	tttcacagtt	ctccaagtac	64380
cctccctgtc	tttctggttt	ggggggaggg	ggagcgtatc	aaagtgaagt	gcacatgact	64440
agatgtagg	agccagaacc	tatggtttgg	ggtgataaag	atgtgatctg	ggctgggcac	64500
atgacgaagc	aaaagaacca	ctgcaaattt	gagggttgcc	tgggtgtcac	gtaaatggca	64560
ggctaatacag	ggctacataa	tgaagcctg	tgtttaaaaa	aagagaaaag	ggaaatgtgt	64620
ttttgtctgt	ccggagcct	ttgcaaagat	gccatcagga	gccccttatg	ttcattcctc	64680
ccagcatcct	aagccagagc	tcttttcccc	atcacccgac	ccttcctaga	ggattggctc	64740
tctgtgtcac	ttcgtagatg	atgaagcagt	cagacatgcc	gatgtagatg	gtggctccct	64800
tgaatgatgg	cctattcgtc	cgtacttaga	ggttacctgc	gttctcctgc	tttctgctat	64860
gttaaagaca	atcctagaaa	tgttacctct	caacaggaga	cattagtctt	tgtgaataag	64920
ttttataaga	actttcttac	tatacactag	aagtcctctt	aagattaaaa	gaagcaaattg	64980
ctcttataag	tgaaggataa	cttcattgac	tccctgtgtc	tttatttccct	tgaattctta	65040
gtagagggac	tgatcttttag	gctctgaccc	agttagtaat	tccagcgggtg	agggaaagcc	65100
tagtttctga	tgtctggtct	gatttctgac	aatgccagta	agtccttcca	caagagagga	65160
tccctcagcc	ttggttaaag	ctcagatggc	ctctgatgag	tttctgcttc	ccaaccctcg	65220
cccgccctgc	caccacccct	cctgcaaaac	ctgtttccct	tgccctctac	ctcttccctga	65280
aattatgccc	accacgatct	cctgccttag	accctctgcg	gcctttccag	cagaggcccc	65340
tccttgaagg	agtagaaggga	tgataaccac	gaaaacagtc	tttacaaaagc	acaaaaatac	65400
attttacgat	agtcattttac	taagttttca	tatgatctgg	gaaaagtcag	aagctcaaag	65460
ggagttgatg	aaaagctgta	ctcctaagct	tagcagtacc	agaacagcct	tggagtccct	65520
tgcaaagcaa	acagatccca	gggggctggg	aattcacaaag	agcagataag	catggctgca	65580
cagtttgggg	gtggagacag	ggaaaggctg	aggccctgga	cagggacttg	gaaagattat	65640
ggcaacagag	gtggaaaggc	taaatccagg	tctgctgcat	ccaaatagca	acattgacat	65700
caaatacagc	cacagtgtgc	aattttaaga	ccagaaaaat	gagcccgat	tttttaactg	65760
cacaaaagcc	aagtgagcat	tttatgttgt	tacccagtg	acatccctgag	ctaacagtgg	65820
ccttatccct	tagctaaagc	ccagtgaga	tgaggtaatg	tttgccctta	tttcagagtc	65880
gtgggaagct	gtttcagagc	ctaggaaaaga	aggatgagac	actgagtcac	actgacccct	65940
gctagattga	gatctaatac	ctactctgtt	gtctgctctg	ggtaattaga	tggttccact	66000
ccttctctct	cttctctctc	ttctctctcc	tctctctctc	ctctctctcc	tctctctctc	66060
cctctctctc	ctctctctct	tctctctctc	cactttttta	aagatcacaa	ctcttaagat	66120
tttatttgca	aagcttaact	ttgatagtgc	attggtcact	tagaggtaaa	ttgagtctta	66180
ctgctaatac	agtggagaca	gacagtttat	catagaactc	aaggaggcca	gaagacaggc	66240
tagcctttgt	ttggatagca	gcactctatc	atggtaacct	ctggccggcc	agtcagctct	66300
ctgactccct	tatctcagtt	tccctgagct	gggatggaag	gctgaggccg	acccaatttt	66360

ccaggccctg	gttctttgcc	cttgtctgtg	getgacttga	cttccattcc	ctctgagggc	66420
atcactctgc	aaagtctgct	ttctcgagac	ctgtcaccta	cttgctcctt	ccatcctttt	66480
gtaagaacca	aaggaagcct	gtctaggttg	gtccttctca	ggcattcctg	tctggccatg	66540
gcatctgttt	gtttatccac	gaaaagggac	gcatggtgga	tgtgatgtca	gtcagtgtcc	66600
aggcctcctg	gaggacagac	tggataaact	gggcaggaac	tgattccttt	cactgccttt	66660
ggggtttaga	tgccaggaaa	catgagatgc	ccatgatatg	tgtgctatga	aaatattttg	66720
tcaaagcagg	cctgaaatct	ccaggctcct	gttcttgtgg	ggttttacat	acctgtcctt	66780
gcttccaggt	ctgacattga	cctgccttga	cctgcccctg	gtttttttat	tgttggtgct	66840
tcccttagag	tctcttcact	ttgcagtga	taacccccct	cccccccccc	aaaaaaaaaac	66900
ctcagacttc	cagatagacc	agtgtgtaag	agggcccttg	gagcccaaaa	gtgggtcatt	66960
tcacttccct	cccttgcttg	cccctgttct	catgagtgat	tggcataggt	gggccattg	67020
atagagctta	gttggcagta	ctgccagacc	tggaatcagg	agatggcccc	agggatgaaa	67080
cagagtcgag	atctgtgcta	gtatatctat	ggtgacttgg	cttcagctcc	tcactgctgg	67140
gttgggttac	gactctagaa	gagtccgtgt	gttcttggct	actcccttct	gatctgtaga	67200
aagagaacac	tcttctaaga	gcacaaacca	aaaaggacat	gaaagcctac	ctcaagaatg	67260
tactgaagtt	tgtcctaggg	aaggaactag	ccggtgcctt	tctaccgaac	aggaaggtea	67320
ggcctgcagc	agagatgtca	gtgtctcatc	caaatgctag	actgtcctgg	acactaattg	67380
tgattgagac	taattggtag	tcacttgact	aatggtaact	tgagttgggt	gcggaggaca	67440
agaggactat	ggggctgagg	ggtgggggaa	tgtgcatagg	acagaattgg	ctgcctgggg	67500
ctgggtgggg	ctcctggtga	ctgggatcag	atagctagaa	aaaacagagc	agttacgtaa	67560
ctgtgtttac	atgggctcag	gtggctgtgg	caaccatggc	agtccttgac	ccaaggccat	67620
gctggagggg	tgcaggcagc	cgactactag	ggaaggaggt	ccctcttgag	cagaagggtg	67680
tgcaggagac	agagcatggc	atactgacca	gggctgcact	atctgggaca	atgttacctg	67740
gctctaattg	gccactggaa	gctactcagg	gtgaggcagg	caggcagcag	ccagctacag	67800
ctagggggag	gggtcaggaa	accagacacc	tggctctcta	agtccagtct	ctgaattctt	67860
gctacatttt	tctccctaatt	cttcttaaaa	gaggaagaat	tctccctaaa	tctgggcaga	67920
aaagagggca	ggagattatt	taagtcttct	tggacttacc	tgccctgcgg	tcctagcgcc	67980
tcgtgcctcc	gtgttttgta	aagccatccg	aatacttgtg	aacacagtga	gtccaacct	68040
gagaggtggc	gagccagccc	cggcctgact	gacaaagcag	agctgcagca	gttcagccct	68100
ccattgccac	cctccccggt	cctcccaacc	tacatcctcc	aagactgttt	actagactcc	68160
ccatccccat	agagatggga	ctggtagcca	gtcctcagct	cccttgccca	cactgtgcct	68220
tctcttgtga	gaa					68233

<210> 32

<211> 1964

<212> DNA

<213> Mus musculus

<400> 32

gttgtgtccc	tcagcccgcg	tgcgcgtagc	tctcgacgog	gtcgtccccc	ccgagcccgog	60
gcgcgcgcgc	agggagggag	cggcgctgog	gcccgcgcgc	tccgaggacg	ccccgtattc	120
cggggcgccg	acgtggctgc	cgtcgccgga	gcgcagcccg	cctaggagga	aggcgccggc	180
ttgcgtccag	cgggcgcgcg	gagccgggag	gagaccatgt	cgtgaggcgc	ccctcagttc	240
tcacgacccg	agcgcgctcat	caaagctgtc	ccctttctct	caaccgcagc	gctaactttg	300
aaggaagtgt	ttgagaatgg	gaaacctaaa	atggatcttt	tgaaaaacca	tttagtaaaa	360
gaaggtcggg	tggaaagagg	ggtggcctta	aagatcatca	atgatggggc	tgccatcctg	420
aagcaggaga	agaccatgat	agaggtggag	gctccgatca	cagtgtgtgg	tgatgttcat	480
ggacaattct	ttgacctgat	gaagttgttt	gaagttgggg	gatcacctag	taatactcgc	540
tacctcttcc	tgggtgacta	tgtggacaga	ggctatttca	gtatagagtg	tgtgctgtat	600
ctatggagct	taaagattaa	ccatccctaaa	acattgtttc	tgcttcgagg	aatcatgaa	660

tgcaggcatc	ttacagagta	cttcaccttc	aaacaggaat	gtcggatcaa	gtattcagag	720
atggtgtacg	atgctgtcat	gcacactttc	gactgtcttc	ctcttgctgc	cctcttaaac	780
cagcagtttc	tctgtgtaca	tggaggaatg	tctcctgaaa	ttacttgttt	agaggacatt	840
aggaaattag	ataggttttc	tgagcctcct	gcttttgggc	cagtgtgtga	cctgctgtgg	900
tctgatccct	tagaggacta	cggcagcgag	aagaccctgg	agcactatac	ccacaacact	960
gtccgaggct	gctcctactt	cttcagttac	cctgcagttt	gtgaattttt	acagaacaac	1020
agtttattat	caataatcag	agcccatgaa	gcccgaggatg	cggggtaccg	aatgtatagg	1080
aagaaccaag	caactggcct	tccgtcactt	attacgattt	tctctgcccc	taattaccta	1140
gatgtctata	acaataaagc	tgcagtgttg	aagtatgaaa	acaatgtcat	gaacatcagg	1200
cagttcaact	gttccccaca	cccctactgg	ctcccaaact	tcatggatgt	tttcacgtgg	1260
tctttgcctt	ttgttggaga	gaaagtgaca	gagatgctgg	tcaatattct	caacatatgc	1320
tccgatgaag	aaatgaacgt	aaccgatgaa	gaaggagcta	ctacaggtcg	aaaagaagtc	1380
atcaagaata	aaatccgagc	cattgggaaa	atggcccggg	tctttacggt	tcttcgggaa	1440
gagagtgaga	atgtgctgac	cctcaagggc	ctcactccca	caggcacact	cccactgggg	1500
gtcctctctg	gaggaaagca	gaccattgag	actgccaaac	aagaagccgc	agaggagcgg	1560
gaagccatca	gagggttttac	aattgcacac	aggatccgaa	gttttgaaga	agcccagaggt	1620
ctagaccgaa	ttaatgagag	aatgccaccc	cgaaaagagg	cttcatatca	tcatgatgca	1680
gggaggatgc	actcacactc	gcacccgcca	cacccacagg	cgtcaagaag	gaccgaccat	1740
ggaaagaaag	ccctgtaatg	actcagggcc	ctgtgcagca	cagatgggtc	ccaaccctat	1800
gagcaaatca	cattttattta	tactggaaat	gaaacaggaa	caactcaaac	aacttaaaact	1860
tggagggtgca	tttgtaattc	agtcgcattt	attctgttaag	aaaaatgacc	attttataaa	1920
ttcttctaata	ttatgttcaa	tataaaaaaa	aaaaaaaaaa	aaaa		1964

<210> 33

<211> 1542

<212> DNA

<213> Mus musculus

<400> 33

atgtccgtga	ggcgccctca	gttctccacg	accgagcgcg	tcatcaaagc	tgtccccctt	60
cctccaaccc	gacggctaac	tttgaaggaa	gtttttgaga	atgggaaacc	taaaatggat	120
cttttgaaaa	accatttagt	aaaagaaggc	cgggtggaag	aggaggtggc	cttaaagatc	180
atcaatgatg	gggctgccat	cctgaagcag	gagaagacca	tjatagaggt	ggaggctccg	240
atcacagtgt	gtggtgatgt	tcatggacaa	ttctttgacc	tjatgaagtt	gtttgaagtt	300
gggggatcac	ctagtaatac	tcgctacctc	ttcctgggtg	actatgtgga	cagaggctat	360
ttcagtatat	agtgtgtgct	gtatctatgg	ajcttaaaga	ttaaccatcc	taaaacattg	420
ttctctgttc	gaggaaatca	tgaatgcagg	catcttacag	agtacttcac	cttcaaacag	480
gaatgtcggg	tcaagtattc	agagatgggt	taogatgcgt	gcattgcacac	tttcgactgt	540
cttctctctg	ctgcctctct	aaaccagcag	ttctctctgt	tacatggagg	aatgtctctc	600
gaaattactc	gttttagagg	cattaggaaa	ttagataggt	ttctctgagc	tcctgctttt	660
gggcccagtgt	gtgacctgct	gtggtctgat	cccttagagg	actacggcag	cgagaagacc	720
ctggagcaat	atacccacaa	caatgtccga	gggtgctcct	acttcttcag	ttaccctgca	780
gtttgtgaat	ttttacagaa	caacagttta	ttatcaataa	tcagagccca	tgaagcccag	840
gatggggggg	accgaatgta	taggaagaa	caagcaactg	gctttccgtc	aattattacg	900
attttctctg	cccctaatta	cctagatgtc	tataacaata	aagctgcagt	gttgaagtat	960
gaaaacaatg	tcatgaacat	caggcagttc	aactgttccc	cacaccccta	ctgggtccca	1020
aacttcattg	atgttttccac	gtggtctttg	ccctttgttg	gagagaaaat	gacagagatg	1080
ctggctcaata	ttctcaacat	atgctcggat	gaagaaatga	acgtaaccga	tgaagaagga	1140
gtactacag	gtcgaaaaga	agtcacaaag	aataaaatcc	gagccatttg	gaaaatggcc	1200
cgggtcttta	cgggtctctcg	ggaagagagt	gagaatgtgc	tgaacctcaa	gggctccact	1260
cccacaggca	cactcccact	gggggtcttc	tctggaggaa	agcagaccat	tgagactgac	1320
aaacaagaag	cgcgagagga	gcgggaagcc	atcagaggtt	ttacaattgc	acacaggatc	1380

cgaagttttg	aagaagcccg	aggtctagac	cgaattaatg	agagaatgac	accccgaaaa	1440
gaggcttcat	atcatcatga	tgcagggagg	atgcactcac	actcgcatcc	gccacaccca	1500
caggcgctcaa	gaaggaccga	ccatggaaaag	aaagccctgt	aa		1542

<210> 34

<211> 96595

<212> DNA

<213> Homo sapiens

<400> 34

gggactacag	gcacgtgcc	ccacacctgg	ctaatttttt	gtattttttag	tagagacagg	60
gtttcactgt	gtagccagg	atagtctcga	tgccttgacc	tcattgatcca	cctgcctcag	120
cctcccaaag	tgtctgggatt	acagacgtga	gccaccgtgc	ctggcctata	tagtgctttt	180
catataaaat	tgcagattat	acattataat	ataccttttg	ttttgtgtag	ctatttttaga	240
aatgctcatt	ttactatgg	ttttaaata	ttctacagtt	ctcttacctg	catttaacac	300
agaagttgaa	catttaatgg	cttcatataa	atagaaactg	acgpcagggt	actttcacac	360
aacagtggaa	acaagggttc	cctgtgcttt	tgtaaatta	aaagtgttca	taattatgtc	420
tcagaggagc	tggtcattaa	tcaaggttta	ggaagcgctt	aggaggtttc	atgaggaaat	480
acaccaaaagc	tcacaagccc	tgtagaaggg	aaaccagat	ttgaagaaat	gtgtagaaat	540
gatagttaaa	catgaatctt	ggttattttca	aatttttatg	tcttctgact	gaccaatgca	600
gaaaataaaa	aaaagtgggg	ggatacaaaa	ttcaccaagt	ggacatctgg	ccagggtggag	660
agatccacca	gctgaatgaa	attgggctct	ccaatgatcc	ttgagaattg	ttaatgtcta	720
aaaacaccac	cacacaagca	atgaacttaa	acctaatgtg	ttatggaaaa	caattgtttg	780
ggaagggagc	tcaattagag	ctttcttctt	tttaaatttt	catggagtgg	ctctagatgt	840
tttgtttgtt	tttgttttaa	tcagaaaaga	cattgagaaa	gcaatgaatg	tttaactcta	900
ttggaactag	gccactaaaa	gaaaagagca	gccggcacgg	tgctcatgjc	ctctaatecc	960
aacactttgt	gaggccaagg	tgggaggatc	gctttagtc	aggagtcca	gaccagagtg	1020
ggcaacatag	gaagaccccc	catctctaaa	aaaagaaaaa	aatagctgga	catggcagtg	1080
gcatgcctgt	ggctccagct	acttgggagg	ctgaggttag	aggatcactt	gagcccaggg	1140
agatagaggc	tgcagtgagc	tatgatcatg	ccactgcaat	ccagcttggg	cgacagagca	1200
agaccctgtc	tcaataaata	aacatataaa	taaatagggt	aagataaaga	aaagtgtctc	1260
cttctttctt	tttctttcac	tctgtctctt	tctctctgtt	ccttccctcc	cttctctctc	1320
tcttctccct	ccttcccttt	tctctctctc	tctctctttt	tctctctttc	tctcttttag	1380
aacaggtctt	tgctctgcca	cccaggtgtg	agtgtggtgg	tgtgatcatg	gttcacttca	1440
gcttcaactc	cctgggtcca	agtgatcttc	ctacctgggc	ctcccgagta	gctgggaaca	1500
caggtgttca	ccaccgtgac	cggttaattt	tttttttttt	ttttttgaga	tggagtccctg	1560
ctcttgtttg	ccacgctgga	gtgcaatggc	atgatctcag	ctcactgcaa	cctccggctc	1620
ccaggttcaa	gtgattctcc	tgtctcagcc	tcccaagtag	ctgggattac	aggcacctgc	1680
cacaacaacc	ggctattttt	tttttttttt	ttttttaga	gatgggtttt	aocatgttgg	1740
acaggttggt	ctcgaaactc	tgacctcagg	tgatccaccc	acctcagcct	cccaaagtgc	1800
tgggattata	ggcatttaac	atogtgctcg	gccacctggc	taatttttaa	aaaaaatttt	1860
tggtaaaagat	ggggctctcc	tatgtcattg	cccaggccgg	tctggaactc	ctgggctcaa	1920
gogatecttg	tgctcagccc	tcccaaagtg	ctgggattac	agtcatgagc	ctctgcacct	1980
ggccttattt	tcacctattt	ataaagcaat	actttctcac	cacagaaaat	tggaaagata	2040
aagaaaatttt	ttttattaca	ccaccaagtg	atggctaactg	ttcacatttt	tttcccttgat	2100
agattatgct	cagtgaaggt	atgaattatg	tcagtttttg	ttcgtttcca	tatccttaac	2160
acagtgcctg	gcacacagtc	cacacctaat	tcatacttgt	tgaatgagta	tattaatatt	2220
ttcttgaggt	cttttatttt	taaagaaatg	gagtcttctg	atgttgtcca	ggatggagtg	2280
cagtggctat	tcacaggaac	gaaaatagtg	taatatgacc	tcaaaactct	gggctcaata	2340
gatectctctg	cctcagcctc	ccaagcagct	gggactacag	gtgaatacca	ctatgcctgg	2400
cttaagactt	ttatttttatg	cttttttttt	tttttttttt	ttgagacagg	gtctcactct	2460
gtcaccaagg	ctggaatgca	gtgatgcgat	cttggctcac	tcagcctta	acctcagaga	2520

ccgcccacct	cagcctccca	agcaatcctc	ccatctcagc	ctcccaagta	gctgggacca	2580
caggcgcag	ccaccacacc	tagctaattt	ttctgtat	tttatagaga	cgcggtttca	2640
ccatattgcc	caagctggtc	tcaacctcct	gagctcaagt	gatcttcccg	ccttggcctc	2700
caaagtgctg	agattacagg	cgtgagccac	tgcactcggc	catgtttatg	tttttgtttt	2760
tgttttttta	gatggagttt	tgctctgttg	cccaggetgg	agtgcaatgg	tgccatctca	2820
gctcactgca	acctctgccg	cttgggttga	agcgattatc	ctgtctaagc	ctcccagagta	2880
actgagccag	ccatgtttgt	taataaaaaat	ggggacaata	ctgtatatat	atgggttatat	2940
tttagctttt	tcacttttca	gtatctcctg	aggcttttct	catgtcatta	aatatttttc	3000
taatttataa	tatggtat	cctaactgca	tgatgttcca	ttcaatcata	tttcatgtaa	3060
ccatttttcc	tatatggatg	aatcatata	gtagatatca	ttttgtggct	tgcttctttt	3120
gctcagcgta	atgtatttta	gaggttcatt	catgttgttg	cctgtagcag	taattatttc	3180
tcttttatta	gctgaatagt	attccattct	atggaatttt	acaattaaca	tctaaaaaaaa	3240
aataatgaac	tgcttatagg	agggaagctg	ggtgctcttt	tcacacgcac	acatactaaa	3300
ataggaatga	tacagagaag	attaccatgg	ctcctgtgca	aggatgacac	acacatttgt	3360
gaagcattaa	aagaaaaaaaa	aagaaggaaa	ctgagggcag	ggaaataagt	gagaattttac	3420
ttttcttcta	catacttttg	cagtatttaa	tttttttctt	ttcttttttt	ttcttttttt	3480
ttttttgata	ctgagtctta	ctcgcccagg	gtggagtgca	gtgggtgcaat	ctgggtctac	3540
cgcaacctcc	gcctcctggg	ttcaagcaat	tctcctgcc	cagcctcctg	agtagctggg	3600
actacaggcg	tgcgccacca	cgcttggtta	attttttgta	tttttagcag	agatgggggt	3660
ctcaccatgt	tgggccaggct	ggcctcgaac	tcttgacctc	agggtgatcca	cccacctcgg	3720
cttcccaaag	tgctgggatt	acaggcatga	gcacctatgc	cagcctttta	ttttgttaaa	3780
ccatgggcat	gtgttacttt	taaaaaatata	tattttaaagc	atttaaaaaa	ttctgagagc	3840
agagttgggt	tcaagttgta	ctttgaacta	cctgtgtgac	agtgggtaag	tggtttgatg	3900
tctctggact	catttccctc	acctgtaata	taataatggt	ggtccatatg	aatccttggg	3960
ctttggcctc	ttagatactc	caattggcca	gttatctttt	gaatcaaact	ttatctactg	4020
aggcatacta	aattattaca	tataaggaat	ggaggtgatt	agtgattcat	tatatccaca	4080
aacacctact	gagcaaccac	aatataaatg	ggccatgcta	gaaactggaa	atataggctg	4140
ggtgcagtg	ctcatgcctg	taaatcccag	cacttttagga	ggcaggccga	tgtggaagga	4200
ccacttgagg	ccaggagttc	cagacagact	gggcaacata	gcaaggcccc	atctctgcaa	4260
aaaagaaatt	aaaaaaagct	gggcctagtg	gtgtgtgtct	gtagtcccag	ctactcagga	4320
ggctgaagt	ggaggattgc	tagaggctag	gagttggagg	ctgcagtgag	ctatgacggg	4380
gccactgcac	tctagcctgg	gcaacagaga	agatcctgtc	tcaaaataca	taaataaatg	4440
acaattttta	aaaaagaaga	aactggatat	agtctctgcc	ttaatagtct	agggtggggaa	4500
aacagccaca	tgtgaataaa	taatatcctc	catgcattag	gtggttgata	tgtttacaaa	4560
acgctcttgg	tccacagagg	aaggctttac	ctctacctgg	atggattaag	aaagggttca	4620
gagaggtgag	tataacagg	ctggatctta	agggcctggc	tgaacttggt	agtccaagta	4680
gagaagggaag	ggtgtttcca	ggatataagg	atcaaatatc	caaaggagtg	gagccctgaa	4740
catatccact	atattccaac	cccattgcctc	tgtaacagctt	tgcccaacct	aggacacctc	4800
ccttccctct	tgctgttccac	atcccactct	tctttagagg	gctgcagccc	tgaaaaaaca	4860
tagcaaatgg	tttcaagtgg	ccggcctgaa	agatctcatg	gggctaaggga	cagagagaag	4920
ctgtagaggt	gagtcagggt	caggctggga	aggaaactgt	gggccaagggt	aaagggttca	4980
aactcgatcc	caaggggcgc	aggagccac	tgaagggaga	tgaggagcag	agtcfaatagt	5040
cagattttct	gtacaaagtt	gaactctgggc	caggtatggt	ggctccacac	tgtagtccca	5100
gtactttggg	gggctgajgc	aggagcattg	cttgaggcca	ggagtgggag	ccagccctgg	5160
gcaacattgc	aagaccaggt	ctctacaaaa	aatttaaaaa	attagctgag	tgtgtgtgtg	5220
tacacctgca	gtctcagcta	ctcaggaggc	taaggtggaa	ggattgtctg	agcctgggag	5280
gttgaggctg	cagtgagctg	taatcatgcc	actccagcct	gggggacact	ccagccctgg	5340
ggacagagtg	agaccttata	tcaaaaaaaa	aaaaagttga	ttctgggggt	aatgtggaca	5400
atggatgaag	ataagaggtc	aagaccaaaag	actcagggac	cagtttaagaa	gctgatgcag	5460
cggaggggtta	gcccctatct	actcccagcc	tttatgcctt	gagaatagct	gattctatta	5520
cagaatcagt	tgagatggat	tcccgcagag	agcaagacac	gttccctgtg	tctgccccaa	5580
acaacccaaa	gtcttttgaa	acctctacta	ggatgggaaa	gcaccaatgc	gatgggtgaa	5640

ggttttctggt	ggtctcagct	tatacagatc	aaagcctttc	caacctgggt	tcctcccgga	5700
gaaatccatg	gatctaacgc	cctcttccaa	acacagagat	agaaagtgag	gagaactatt	5760
aggagcagg	ctgcaatccc	agctatcggg	aggctgaggc	agggagaatt	gcttgaaccg	5820
gggaggcgga	ggttgcagtg	aacctagatt	gtgccactgc	actccagcct	gggcagcctg	5880
ggcgacagag	tgagactctg	tctcaattaa	aagaaaaaaa	aaaaagaaaa	gaaaagaaaa	5940
agaaaagaaa	acattgcaaa	ccaatgggaa	gggatgtatt	attcaataat	agtaatggaa	6000
aaattaaccg	actactgtat	ttagatctca	agttggggcc	atctcataac	atccaaataa	6060
aatgaacctc	atttaattgt	ttcctatagt	tcagtctgtt	ctcacagcaa	gctctggagc	6120
ctgagttgta	ccacaaagat	attcttacct	tgaggcaaac	ttagtctgac	ctggaggccc	6180
tgatagccat	tgccccctagg	actgggggag	ggatgggcat	aactccttag	gggaaggggc	6240
gcccattcaa	cctaaggcaa	ttctctggag	aaggggcagc	aatgaactgt	cagccaccag	6300
ccctcaagaa	acaggcagag	tacggtagct	catgcctata	atcccagtac	tttgagaggc	6360
cgatgcagga	ggatcacttg	agcccagcag	ttcaaggcct	cagtgaagta	tgatggcacc	6420
acttcactcc	agcctgggca	acagagcaag	acctcatctc	tctcttagaa	caaaaaacaa	6480
aacaaaaaca	aaaacagcag	caaccagaag	atggttatcc	ctcatggtga	aggggatctg	6540
ggcagggcat	ccccgcctct	gctacaggga	gggcctatta	atattatcat	ccccatatta	6600
caaaagagga	aagcaaggcc	tgagaagtga	aggaacttac	ccatgcccac	agctggaaat	6660
gatggtatca	aggtctgttg	ggtgtcactg	gctgtttgctg	gaagactaag	cagctattga	6720
aacagaggac	cagcaaggaa	cttgagagaa	ggcagagcta	ctgagtgaat	ctccttagaa	6780
aggggtgggg	aaggccgagg	cgggcagatc	acgaggtcag	gaaatcgaga	ccaccctggc	6840
caacatggtg	aaacccccatc	tctactaaaa	atactaaaaa	tacaaaaaaa	ttagctgggt	6900
gtggtggcat	gcgactgtag	tcccagctac	ttgggaggct	gaggaaggag	aatcacttga	6960
accagaggag	tggagtttgc	agtgaagctga	gatcacgcca	ctgctctcca	gcttgggtgac	7020
agagcgagac	tccgtctcaa	aaaaaaaaaa	aaaaaaaaag	gggggtgggg	acacgaaggg	7080
acagggctgc	aagttgtcca	caattacttt	gctaaagcca	agctacagaa	tgacatctgg	7140
attctgtaaa	ttcatgtata	ccatgcttga	ggactcatgc	cgcataattcc	acgtgggtgct	7200
atagaaaaag	ttcgtggtgc	tatagaaaaa	gttcaggtag	tgacagctctc	ttgacgatga	7260
tgggtgttcac	taagcctcct	accagctctg	tgactttggg	caagttttctt	cacatctctg	7320
tgcctcagtt	tccttatctg	taaaatgggg	ataatcatat	aaatgggggt	ggtgtgagga	7380
ttgaacgagt	tagtatattgt	ggggtttttt	ggttttgtgt	ttgagataga	tggagtctgt	7440
ctctgtgccc	aggetggaat	gcggtggcac	catcttgggt	ctctgcaacc	tcgcctcccc	7500
gggttcgagc	gattctcctg	cctcagcgtc	ccgagttagct	gggactacag	gcgtccacca	7560
ccacgcccag	ctaatttttg	tatttttagc	agagatgagt	ttttgccacg	ttggccaggc	7620
tgggtctcaa	ctcgtgaact	caggtgattc	gcccacctca	gccttccaaa	gtgctgggat	7680
tacaggcatt	agccactgtg	ccgggcctgc	aacgtttttt	ttttcttttt	ttcttttttg	7740
agacagtctc	gctctgtcac	ccaggctgga	gtgcgggggc	gtaattcttg	ctcactggaa	7800
cctccgcctc	ccgatttcaa	gcgattctcc	tcctcagccc	tctcgagttag	ctgggattac	7860
aggcatgtgc	caccacgcta	ggctaatttt	tgtattttta	gtagagacgg	ggtttccaca	7920
cgttggccag	gctgttttca	aaaccttgac	ttcaggtgat	ccgcttgccc	tggcctccca	7980
aagtgtgagg	attacaggcg	tgagccacct	tgcggggccc	gcaatgtttt	ttctttcttt	8040
ccttctttct	ttcttttatt	tatttttttt	ttgagacgga	gtctcgtctc	attgcccagg	8100
ctggagtggg	gcagtggggc	gatctcgggt	cactgcaagg	tcggcctccc	gggttcacgc	8160
cattctcctg	ccttagctct	ccaagttagct	aggactacag	gcgcctgcca	ccacgcgcgg	8220
ctaatttttt	gtatttttag	tagagaaggg	gttgccacgt	gttagccagg	atggcctcga	8280
tctcctgacc	togtgatcca	cccacctcgg	cctcccaaa	tgctgggatt	acaggcgtga	8340
gcacccccac	ccggtctttt	ttttttctct	ttttgcgggc	ccgcaatgtt	ttctttaaact	8400
ttttattttt	agctatcctg	ttgaggttct	tcagatgaa	ttttagcctc	tgacccaggg	8460
gtatgatttg	ataggcgtgg	agttctgggt	acttctttaa	tgaagagttt	ccccaggata	8520
tctgaacaat	tctcttgggt	ggaagactca	aggatcatga	aaacgaaaaa	caaattctag	8580
tcggctccta	aagtcctttt	gcctcctggg	gttaccatca	aagagctatg	gtcaaaattc	8640
caagggataa	ttcagggtct	gattccacta	tatatcccca	gacgccttat	acataaatcc	8700
atattatttg	agattttacgc	ttaatcctat	aatctttttc	ctaacagctg	tcagtagaaa	8760

ttttctggat	gtccaataag	gtagccgcgt	gtagctcttg	aacacttgaa	atgtggctag	8820
tcccctagag	gaacgggatt	aattttaaatt	tacatagcta	caactactta	tcggtcactg	8880
cggtaatgtg	taagactggg	tttgccgtgta	acttgcatat	gttttatttg	acatcagttt	8940
caatattttca	tttgcatgtc	taaaagtcaa	aatccttttg	actttgccag	ttactcagtg	9000
agaggacagt	tggagccagt	ttctgttcta	ggcttacagt	tttaaggaca	gataaagggt	9060
agtttttaac	ctcgagatga	acagactggt	aagtttctac	ggacttgccc	atgggggtcc	9120
acagtgaacc	tgggccgggg	aggcaggtac	tgtgtcaggg	ggaagaaaaa	aggggcttct	9180
agctgggcag	gtgacacaca	gggcatagga	agaggtcagt	tcttgtggcc	gaggaggtcc	9240
ggcccggggg	tcccaggagc	agagatctcc	cttctcttcg	atgtggaaag	tgaggaggga	9300
gcagagcctt	gctcagaaac	ggagctcccc	caatccccca	ccgcccctagc	tactggactg	9360
gaactaggat	ggacacgaat	gtccttctca	ttgtactaac	tgcactcaac	aagcgggaaa	9420
gatgaagcga	gggggtttta	atgtgtgcgt	ttgttgaatg	acccacaaaa	actgaaggag	9480
cgcgcccgga	ctgatcacac	tccttgagac	aaagcgggtg	ggagaccag	aggtgaggag	9540
ggtggtcgcc	tgtgggcgag	gactgggagg	ccaggggttc	tcggcgaggc	ggtcccagga	9600
ggcgccgcgg	agccgctgcg	aggccgcagg	gccgggtcgc	aagatggccg	ggccggcctc	9660
ccgcgcgggt	cgcgccggcc	acgcgggcgg	gtttcagatg	ttccgggccc	gggtaggggc	9720
tggcaggaga	gaagggggccg	gctgcgggga	gggctggctg	agaagaagcg	aaaatgggcg	9780
gttagcagca	gggacccgga	gccggaggag	ccgagagcag	cgctgtcgcc	gagctctact	9840
gcctcgccgg	aaggcggaag	ggtggggagg	gcggcgctcg	gggcgggagg	cccggccggg	9900
tccgctagga	cagcggggcc	gctgggaagt	tgtgagagcg	gcgctcgggg	gcgcgcttgc	9960
gtgcacgagg	gcccgggccg	cgagcagccg	cgcccgctcc	ggtcgccacc	cttagcagcg	10020
gtcgcggtcg	gtgccgaagc	ggtgttcccc	gccttagccg	ctggcgccctc	ccaagagagc	10080
ggccggtggg	ccctcgctcc	gtcagtggcg	tcggaggccg	gcgctgcggg	ggccgcgccc	10140
ttctggtgct	cggacaccgc	tgaggagccg	gggcccggca	cggtgtgctg	acggctccgg	10200
gcagctaagg	ctgcccagag	agaaggcggc	ggccgcggcg	taggcgcacg	tcggcggggc	10260
tcctggagcc	tggaggaggc	cgaggggacc	atgtccggga	ggcgcttcca	cctctccacc	10320
accgaccgcg	tcatcaaagg	tgcctggcgg	gccgggcctt	cctctgggac	ccgcgggaaa	10380
cggccttcgg	ctgggcggcg	gctcggggcg	gagggaggct	ggggccgggc	tgcccccacc	10440
ctaggagggc	tcggaggggt	gtagacagag	ccgggcggca	gcctccgaga	gcagccaccc	10500
ggaccgcggc	ttttctgctg	cacctggtca	ggtgcctggc	cgctcagtgc	aagtccctcc	10560
ccgaagggtt	caggggtgcag	tggggacttc	ttctcccacc	gccccgaagg	gcccggatcc	10620
ctgtcttttt	ttctctttta	gaaacgactc	gggggaagcc	atcggggggtg	gtgtgagcag	10680
ggagtcgact	cttccaagta	agatatttta	gattagatct	ttcttgacgt	ccgcccccca	10740
cccttttttta	ggacgtatac	catgtgcctt	ttgaccgcgt	ttctctagat	cattgcaagt	10800
cactgctatt	actggaataa	acttagtatg	aacaagtcag	ataaatccat	tatatgatgt	10860
ttaaaataag	tttacggagc	tcttgacagg	gtaatggtat	tttattttcc	ccttggttat	10920
aaagacttgg	agaatgacgt	ttctgtattc	atatgtgtac	ctgcgttaga	tttctgttgt	10980
tgttataaga	acaaaatgta	aagggtctct	tgtctcttaa	atcttgtaga	gttttaggtt	11040
atagttgttt	ctccctttta	actaagaaga	tggattacac	ataaccacta	atztatgtgc	11100
tgtttttatt	cagccgtaag	tcttaggcac	aaccctctct	tctgagatta	acaatcggtt	11160
tgaagcgct	atthttgtaag	aagggaatag	acttagaaca	gctgtgttag	tgccctctgg	11220
atgcaggggt	tagcgtgaca	gtggggaaaa	ttattaagat	acttttcttc	tttttccatt	11280
tggatttaga	aggagaaagg	caactaatac	tagtgacggg	aatacatttt	taaaagggtga	11340
aacgccttat	tgcattgtta	gggaggggga	agaatttttag	tgtataactt	aggtttcccc	11400
cctctctccc	caaatacagc	tcataaatgt	taattatctg	tactacataa	ttataatggg	11460
atthtttgaga	tttatctgct	tagcattttg	atgctatctg	tagaggttta	actgaattgt	11520
tcataataact	gacattatcc	cctgaacagc	taaattattg	tgaccattta	aatgtgtctt	11580
catattatta	gtgtatagcc	tataagaagt	atatagccct	ctcttaagat	tcagagtgtg	11640
cttaacataa	cctttttttga	ggaatcaagg	tcattatgta	cattaatttc	tgtactgtgc	11700
tgttaatatg	gccggtgcgt	tctgctgtat	aaagttgtta	gcagtttctg	cctgtactaa	11760
aatgacttcg	caatgctata	ccagttcagt	gttttgtttg	cttttagttt	ctctctccag	11820
tactgttttc	tgtcaaaaata	tgccttaaac	tgtcttctaa	tctgctacgt	cttagctgaa	11880

gtaggcaggg	aaaccagata	agccagaact	gtgggtcaag	tcagaataaa	taggatotta	11940
gtgaagctta	gtgcagccct	caggaatctc	acaatcaaat	caccattgtg	ccatgtaatt	12000
tccaccataa	catgccataa	gatcaaaaga	agattaaaaa	tcttaaatga	cccttaaata	12060
tagtaataaa	tattgtaaaa	taaaatgtaa	taaaataaaa	aagttaaaat	gcaggggcta	12120
ggggcaggca	tgggtggctca	cgcctgtaac	cccagcactt	tggaaggccc	atataggcag	12180
atcactgagg	tcaggagttc	gaaaccagcc	tggccaacat	ggcgaaactc	catctctact	12240
aaacatacaa	aaattagctg	ggcatgggtg	cgggcactgt	aatcccagct	acttgggagt	12300
ctgaggcacg	agaattgctt	gaaccgggga	ggcggagggt	gcagtgagcc	aaaatgggtg	12360
cactgcattc	cagtctgggc	aacagagtga	aactctctct	aaaaaaaaaa	aaaaaaaaaa	12420
gcaggggctg	gtttattgct	acgcatgctt	attattaaat	aaacactgtc	atcatatcct	12480
gcaggatgca	aatttgttct	ttacccaaat	taattaccga	atattgtgta	cttttaagac	12540
tgctcttaaa	taaatgaaat	agaaataatt	tcaggtcctt	agaatgtatg	gatttctctc	12600
ctatataaaa	acttcggcat	aagagcttga	ccacagcatt	tgtggcttca	tgatgaacta	12660
tgggtgctttt	ttcaggggtt	tccagagttt	gaaatagttg	aagaaaatga	ggtgtcacgt	12720
gtgcatagct	aagggtccatt	gtaacgggta	ctaaaccctg	gtctgatgct	atcttggtta	12780
gtcacagctg	tctgcattta	ttcacagctt	gaaagctttt	tcagaggtga	taccacaacc	12840
cagctatttt	tgtttctgtc	atttctgtgt	aactttaaag	tgtacctaat	tgttctattt	12900
gagcaaat	tggagaagag	tgggtatgtg	ggagaggttt	gtatttttagg	tgctctttaa	12960
atagcagctt	tcttaaat	aaggatgtgg	ctgggcgtgg	tggctcacac	ctgtaatgcc	13020
agctacttgg	gaggctgagg	caggagaatc	gcttgaaccc	aggaggcaga	ggctatagt	13080
agccaagatt	gtgccactgt	actgtagcct	gggcgacaag	agtgaacctc	agtctcaagc	13140
caaaaaaaaa	aaaaaaaaact	atctgtaaaa	taggggtta	aataccttcc	ctgtcaagcc	13200
tgggtcatgc	aagtgcacata	aagcatgtga	aaagggtcaag	ttaaggtagt	actttgagac	13260
atgataatag	gttggttaata	gatcgcttac	tacagaagta	gttagtagag	atatcattaa	13320
catttgaaaa	tatcagaaag	tatgtgaaat	tataagctac	aaaactgttc	ctagtcagg	13380
gaataacctat	tctacagcat	aatggatatg	tgggtgaaat	ctcgtcggta	acaatgtgaa	13440
gagatcagca	cagttctgtc	tggtaactcc	taggcagcag	atttcttctc	tatctgttga	13500
aggtgtttat	tttatgttta	aaccttctta	tgattttact	cattcattaa	atgtttattg	13560
agtgccatct	gcaatgtacc	ctagtaggtt	gctcattcat	ttcttctttg	ctttaaag	13620
agcatttctg	tgagccttta	gagcagttta	tatgcactgg	ggcaccataa	ctggtatcta	13680
agccagagaa	ctaggcacc	aaatgattaa	attgtgatat	tctgtctgct	ttattttttt	13740
ttctagtttc	cagtttctt	ttctgtttta	aggacatgtt	ttttctttga	cagtgtattt	13800
tataaaagca	gtttattttcc	ctggaatgaa	tcttttcaga	agcaacaagg	aaatttccagt	13860
aggaattaca	tgacaaatat	agagaatcca	ttgtcttatt	ttgttacttt	atggccagat	13920
gggttttaac	agaaaagtca	gatttctttt	tagtaagggtg	ctgatacatt	tctccctttc	13980
tcttagaatt	caaatatatt	gtgtattcac	agagtaactgt	accattttta	ccacacatgg	14040
caggctactg	tttctttta	atcgtggcac	tgggaatatt	gtgcttatgg	ctttctttaa	14100
atattttta	attagtgtgg	acaaaaattg	ctattttctac	aaatataacc	taaaaccgat	14160
ttcaatctct	ggtacctata	cttcattttc	ttccacaact	ctcccccgac	tctccctttt	14220
ttatatccat	aatggattta	ccgaggggtt	aaaatttttt	ctcttaaata	taagottaat	14280
cctgctactt	atacaatttg	aaaatccagaa	aggggaagaaa	agaaagaact	catatttctt	14340
cccagccagaa	ataactgctt	ttaataccct	tgtgtgtttc	catctgcagg	tatattttga	14400
attcaagga	aaatggatca	cacatattaa	agcttttggt	atgcataat	ttcatattat	14460
tttaacataa	atattgta	tttacctaaa	tattttccata	atgggtttcaa	tcagcatgga	14520
aatgttttta	gagtgtttat	attaatat	tgggttcttta	tattttccagt	ggggacacat	14580
tagtcacttg	atacaatacc	aaccacagaag	aaacattttc	aagtataaat	tttcaatgtg	14640
aatacgtttt	aaagttgata	tctctgtgat	ttgtcaacag	tatttgttta	atttatgttt	14700
catttaccat	tgtgattaac	aagctgccaa	acttttgaaa	cattcaaaat	cagtgtctaat	14760
cgagattcat	acatctgagt	agaaatctgg	aacctctgaa	agggcatctt	aatttaaaaca	14820
cttaattttt	ttctttttga	gcaaggataa	agtattcttt	cttacctata	ctttattgtt	14880
tgtgatcaaa	gctttattta	tgggtctgaca	tttgataatt	aagctttctc	tcttttattg	14940
catttttaaaa	taggattaaa	aatttttttt	gccttacgta	atttttagtg	taccataact	15000

tttactggag	tgtatatggg	aaaatgtaca	aattataaat	gtacagctta	gtgagttttt	15060
acaâattttag	cacccacata	cccattgtaac	cactcaacca	aaataaatag	attaccagaa	15120
tcccagaaac	aagcatgagt	tcacgttcag	tccactgggt	tccatcccta	aatgggcaac	15180
agtggggaaa	atatgacact	tgtaccatt	attctggcgt	ctaacgtcat	atttgtaaag	15240
taacatacta	atcacatctt	actgtaaagt	gaaaaaaaca	agggaactctg	agagaaaaat	15300
gctaaggact	cattacttaa	agtgaataa	ttaattaaag	accttttctt	aagcagtatt	15360
tgatactagg	aattgaatgt	ctttctatta	aggtaacatt	tttggaaaaa	gctaattttt	15420
aggccaggcg	tgggtggctca	cgcctataat	cccagtaact	tgggaagccg	aggtgggtgg	15480
atcacctgag	gtccggccaa	cgtggcgaaa	cccagtcctt	attaaaaata	caaaaattaa	15540
ctaggcatgg	tgggtgcacac	ctgtagtccc	agctacttag	gaggctgagg	taggagaatc	15600
gtttgaatct	gggaggcaga	agttgcagtg	aactgagatt	gcgccactgc	actctagtct	15660
gggtgacaga	gcaagactct	gtctcaaaaa	aaaaaaaaaa	aaaaaaaaaa	aagctgattt	15720
ttagacatgt	ctctattaga	gacaaaatta	ttcatttaat	tccgggattt	gtagtcattt	15780
tggaactttg	ctgctactta	attgctaaat	gactaatggg	aataaaggga	tgtcttagaa	15840
tcattaccat	cctttgggtgc	aatcattact	agactataat	gcccgtttat	agtttttttt	15900
ggtgggggac	aggggtctcgc	tctgttgccc	aggctggagt	acagtggcgc	gatcatggct	15960
cgctgcagct	tcagcttctt	gggtcaggt	gatccacctc	agcctcccca	gtagttggaa	16020
ccacaggcat	agcatacgcc	accgtgtcca	actaattttt	tttttttttt	tttttttgtg	16080
acagagtctc	gctctgtcgt	ccaggctgga	gtgcagtggc	gcaatctcgg	ctcactgcaa	16140
gctctgcctc	ccgggttccat	gccattctcc	tgcctcagcc	tcttgagtag	ctgggactac	16200
aggcacctgc	caccatgccc	ggctaatttt	tttttgtatt	tttagtagag	acggggtttc	16260
actgtgttag	ccaggatggt	ctcggctctc	tgacctcgtg	atccgcccgt	ctcggcctcc	16320
caaagtgctg	ggattacagg	cgtgagccac	cgagcctggc	ctaatttttg	tattttttat	16380
agaggtggag	tttcgccctg	ttgttgaggc	tgggtcttgaa	ctcctgggct	caagcgatcc	16440
tcttgccctt	gtctcccaaa	gtgctgggat	tacggtgtga	gccactgcgc	cctgcctttt	16500
atagtcttaa	tgttaaaatt	tagcagcatt	ttacatttca	aaactgaggc	ctaaaaactt	16560
caacctaac	taagtggat	ctttcttagt	tacctttata	ttctatctgg	ttatccagat	16620
gaatgtagag	agaactttta	gttccccata	ttcaattttg	ttttgttggc	acttttagatt	16680
atcctgaagt	cttttagttt	cttgagtcct	cgtttgttgt	ttgaagaggg	tttaacttgg	16740
taaccaggat	ctttaaattg	ggcacagaaa	gatatactgg	atggctggac	aagataatgt	16800
atctctttga	tgatcattac	tagatttact	aattgctaac	agttcatgaa	ggtttttttg	16860
cagtgtctag	acaatgtcag	cccaagagac	tgaaattcta	aatgaacaaa	cactgagaaa	16920
tatttgaaaga	attcattcag	taattacctt	tgtaacattc	ttgctaaagg	tgtttaattt	16980
aagctgagct	tagttatagt	agacaatcag	acaaatccag	tttgtgggac	ttctacaaag	17040
acagttggcc	tgaactctaa	aaattttcaa	gtggtgaaaa	cgaaacgaaa	caaaaagggc	17100
aggaagaactg	ttctagatga	aagaagttga	aagagaaatg	acagtcaggt	acagtgctca	17160
gcctggatta	agaaaaacaaa	aaaccataga	ggacattttg	gggataactg	ggaaaatttg	17220
aatatggtgt	atatattaga	cggtattata	cctttttttt	gttttttttt	ttttttgaga	17280
tggagtttcg	ctcttggttg	ccaggctgga	atgcaatagc	gtgatctcgg	ctcacggcaa	17340
cctctgcctg	ccgggttcaa	gcgattctcc	tgcctcagcc	tcccgagtag	ctgggattac	17400
aggcatgcac	caccgcactg	ggctaatttt	atatttttag	tagagacgag	gtttctccgt	17460
attgggtcagg	ctgggtctcga	gctcccgacc	tcagggtgac	tgcccaacct	ggcctcccaa	17520
agtgtcggga	ttacaggtgt	gagccacogt	gcctggccta	tatcattgtt	aaatgtcttg	17580
aatgtgaacta	tatggtatta	tggttatata	ggaaaatgat	cttattttta	ggcaataacct	17640
gatgaagtat	tagtatgttg	aaatgtcgtg	attttttgca	tttgctttta	aattgttcaa	17700
aaaaaaatca	tttgtajaga	aaaaagcgaa	agtggcaaaa	catttaactat	ggtgaattcta	17760
ggttaagagca	tatgggtggt	catttttatja	ttcttttcaat	ttttaaatag	atttcagttt	17820
ttcaaaatgt	aaagttgggg	acagccaggc	atgggtggctc	tgccttatag	tcccagctgc	17880
ttgggaggct	gaagcgggag	gattgtttga	ggccaggagt	tccaaggctt	cagtgaacta	17940
tgattgcact	actgtgttcc	agcttgggtg	acacagtgag	cacccatctc	tattttaaaa	18000
agaaaaaaaa	gttagggaga	aaaaaagtac	aatgaagaaa	tggcttggtc	gggcccagtg	18060
gctcatgcct	gtaatccag	tactttggga	ggccaaggcg	gctggatcac	ttgagctcag	18120

gaattcgaga	ctagcctggc	aacatggtga	aacccccgtgt	ctacaaaaaa	tataaaaaat	18180
tagccaggtg	tgggtggcctg	cacctgtgga	cccagctact	tgggaggctg	aggtgggagg	18240
atcacctgag	ccaggaggtg	gaggttgcag	gttgcagtgg	gccaagatag	cgccacactc	18300
cagcctgggt	gactgagacc	ccatctcaaa	aaaaaaaaaa	aaaaaaaaaa	aaggaaatgc	18360
ctcaaaacag	ctacagctag	gttttaggaaa	ggctgtcatc	atatttgagg	attccatagt	18420
gtcttaatgg	gggaaagctg	aaaagaagaa	aatgagcctt	aaagaatatt	atagctgatg	18480
tgaagtggag	gcagcttggt	tagcagaaaa	agtagtggtt	tcagctgcat	gatggggggt	18540
agaaaaacat	acagaagtca	gtatggagaa	agaaaaggta	cttaactaag	aagtagagag	18600
aagatgggca	aactagaagg	gccagagaa	tgaaatacat	aaaatgaaga	aaaagaagag	18660
ggatagttga	aaactgggtg	agcagttgac	atcaatttca	ttaatgggac	agcaagacta	18720
ttttgatgac	tggtattttt	ttcttttctt	tttttttttt	ttttctgaga	cagagtctcg	18780
ctgtcgcccg	ggctggaatg	cagtggcgca	atctcggtct	actgcaacct	ctgtctcccg	18840
ggttcaagtg	attatcctgc	ctcagcctcc	tgagtggctg	ggattacagg	tgtgcgccac	18900
cacaccagc	taattttttt	ttgtattttt	agtagagaag	gggtttcacc	atgttggtca	18960
ggctggtctt	gaactcctga	ccttgtgate	tgcccacctt	ggtctcccaa	agtgtctggga	19020
ttacaggcgt	gagccaccgc	gcccggctgt	gatgaccatg	ttttaaaaa	ccaaaacaaa	19080
tagacttata	aacctattct	gaaatcatag	aaaatccaaa	tattaccag	acagttgatg	19140
tggaaagtgg	aatagctatg	tttttaattt	tattgaagag	attgaagtga	aaaaaggggt	19200
ggtagtggga	taaagtaaat	attaacacta	atgagtagag	gagaaaaaaa	ggattttcta	19260
agtgtatttt	tcacccctgt	taattgcacc	actcacccat	ttagtcaactg	attcagatga	19320
ccagcctggg	aatcaggcca	gactctttct	tctccatttt	actgcatgtc	cagtcccacc	19380
agactaaatg	ctgtgaacct	ttggtttgta	catatcctct	acttcacctt	attctcacac	19440
cttttgcttg	tgccattgca	ggagcctctt	gctgagacta	tgtagtctgt	ccacgctgtc	19500
atcgtgatct	gtgaacaata	tcaagggtca	ttcttggtgt	caaaatcctt	catgagcaat	19560
tctgtcctgt	gggataaaat	ctttgttgat	gggcagtaac	ctgcatgcta	aacctctcta	19620
ggcttggtgt	ccattttctt	ctctctcatt	cacaaccctc	atccccaacc	tacttttatt	19680
ttattttatt	atttatttat	ttattttatt	atttatttat	ttattttatt	attgagacgg	19740
agtctcgtct	tgtcacccag	gctagagtgc	agtggcgcca	ccacggctca	ctgaaagctc	19800
cgctccgga	ttcacgccat	tctcctgcct	cagcctcctg	agtagctggg	actacagcca	19860
cgcgccacca	cgcccggtca	atttttcttt	tttttttttt	aatagagatg	gggtttcacc	19920
gtgttagcca	agatagtctt	gatttctctga	gctcatgate	tgcccaccac	ggcctcccaa	19980
agtgtctggg	ttacaggcgt	gagccaccgc	acccggccca	tttattttatt	tttgagacag	20040
agtctcactc	tgtctcccag	gctggagtgc	agtggcgcca	tcttggtcca	ctgcaacctc	20100
cgctccccag	gttcaagtga	ttctcctgct	ccagcctccc	gagtagctgg	gattacaggt	20160
gcatgccacc	acgccagcgt	agtttttgta	tttttagtag	tgatgggggt	tcaccatggt	20220
ggccaggctg	gtctcaaaat	tctgacctca	ggtgatctgc	cctcctcgge	ctcccaaatg	20280
gctgggatta	caggcgtgag	ccactgtgtc	cgccccccag	cctcctttta	tactacaggt	20340
tgagtgttcc	taatccaaaa	tctgacattc	tccaaaatct	gaagcttttt	gagtgcacaga	20400
tgacacacaa	agtggacact	ttctttcctg	acctcatgtg	atgggttgta	atcaaaaact	20460
ggggacataa	cccaaagtgt	tttcagtgtc	cccaagggaa	aaagaccttc	ccagccccct	20520
tgggttggtga	tatatctttt	ccatgcacag	catgatgggt	atgtccagge	aacacacagat	20580
tgaccacgta	ggtggctaag	ggtagtgaac	catttgcttt	ctaattcagt	gtacgcaaat	20640
ttattttgtg	cacaaaatta	ctaaaaatat	ttataaaatt	atcttccaat	tctgtgtata	20700
tjaaacataa	atgaattttg	tgtttggaat	tggtttccat	tcccaacaca	tctcattatg	20760
tatatgcaaa	tattcccaaa	tctgaaacaa	tctgaaattg	aaatgcttct	ggtcctaagg	20820
actttgaata	agaagtacata	cttgctgtcc	tagaatgttt	tatatctgtg	aatgggtctc	20880
ttgcttctgt	gcataatggt	tttttttttt	tttaacagtt	ttagagataa	ggcctcactc	20940
tgttgtctag	gctggagtgc	agtaatgcga	tcaatgctca	ctgtggcctc	aaacaaactc	21000
ctggcctcaa	ttgatcgtcc	tgctcctccc	ctctgagtag	ctgggaactac	aggcgtgtgc	21060
tgccatgtct	ggctaaatgt	tttatttttt	ttactttttt	gtagtgaacg	ggtccttgcta	21120
tgttgccacg	cctgggtctca	aactcctggc	ctcaagtgtt	cctcccacct	cccagagagc	21180
tgggattaca	ggcatgagcc	actgtgcctg	gcctgcgcta	gaatcttgct	cctcagcttg	21240

accagctcct	gtttgttttt	caagatttag	ccaaggggac	ttctgagaag	ctttttcttc	21300
tctgctaaga	agctgtggag	agtaatgggt	tgagaacatg	ggcttcagtc	agacatacct	21360
ggattcaaat	ttctgtttgt	tttttttttc	aaggagatgg	agtcttgctc	tgtagccgg	21420
ctgaagaagt	gcagtgccac	catcatagct	cactgcagcc	tcaaactcct	gggctcaagt	21480
gattctcttg	cctcattctc	atgcctggca	ctacaagcat	gtgctactat	gccagctca	21540
aattctttta	gtgatgcattg	accttagata	aatcacttac	acttgtttta	cctgcatttc	21600
tttatgtgta	gaagagggat	aatgaaactt	gcagtgccaa	gcacatagtg	agtactccat	21660
atatgttatg	gtaggtgctg	ctgccgccat	cgctatcatc	atcatcatca	taagaattac	21720
tgtctcctat	gagctcccat	aaacaatctc	attgctttgc	aaatcgcttt	aaatatcttc	21780
ttgtcctttc	ttcacaataa	actcctctct	ttaagggcaa	ccactgtatc	cttaatgctg	21840
aatgcagtg	ttaacacacg	cttaggtgct	tagtaaatat	ttaagtattg	gcaagcataa	21900
gaagcttatt	ttatggatga	cagtgtgaaga	aagagtacag	actctgctga	ttaccagccg	21960
tgtggccttt	gagctttggt	atttatcttc	cttgccacag	gtgtaaaatg	ggagatagtg	22020
cctacctcag	aatttaaaga	ttacatctca	tattgtatgt	aaagtgccta	gcataatgcc	22080
catagtgggt	ggtaataaaa	tgtagctat	tatttaaaaa	ataaatcaat	cttggatctt	22140
ggcgagattt	gacagtagat	ctattttact	ttaagtgaac	tgtgaaatga	agatttaaga	22200
gtactgtatt	ttatatagtc	acgcttacat	agttgcttaa	taattcggag	ttctgacaaa	22260
tgcaccccta	ggcgatttca	tcattatgca	aacattgtat	agtgtacagt	tatcccttgg	22320
tatatgtgag	agcttagttc	caggaccccc	acataataca	aaatccctga	atattcaagt	22380
ccagaagttg	gccctgtgga	acctgagaat	tcaaaaagtt	ggccctctgt	atgtgcagga	22440
tggggttttg	cagcctgtgt	ttggttgaaa	acatttgcac	ataagtgaac	cagtgcagtt	22500
caaaccatg	ttgtttgagt	taaccatact	tatacaaaac	tagatgttat	atatactac	22560
aaacgtagat	gttacacacc	taggctgtat	ggtatatagc	ctattgctcc	taactacaaa	22620
acctgtgcag	catgttactc	tatttaatac	tgtaggcaac	tgtaacacaa	cagtaagtct	22680
ttgggtatct	aaacatatct	aaacctagaa	aagggtacagt	aaaagtacag	tattaaagat	22740
aaaaaatggt	ccacctgtgg	agggcactta	acatgaatag	ggcttgccagg	actggaaatt	22800
gctctgggtg	agtcaggagg	tatgtggtga	gtgaatgtga	aggcctaggg	cattactgta	22860
gaacaccgca	ggctttacaa	acactgcaca	cttaggctat	gctaaattta	taaaatatct	22920
ttcttcaata	gtaaattagc	cttagcttac	tgtaaacttt	actttataaa	cttaaaaatt	22980
tttaaacttt	ttaactcttg	tactcatact	tagcttaaaa	cacaaacaca	tatagctgta	23040
catattttct	ttcatatcct	tattcttata	agcttttacg	atttcaaaca	tttcttattt	23100
ttaaaacttt	tttgttaaaa	atgaacacac	accacataca	ttagctgagg	cctccagaga	23160
gtcaggatga	tcaatgtcac	tgtcttctac	ctccacctcc	tgtcccactg	gaaggtcttc	23220
aggggaatta	acaggcatgg	agcagtcacc	tcttatgaca	acaatgcctt	ctcatggaat	23280
acctcctgaa	ggacctgtct	ggggctgttt	tacagttacc	ttttttttgt	tgtttttgtt	23340
ttttgaataa	gtagaaggag	tatactctaa	agtaatgatt	aaaaggggtg	tatagtgaat	23400
gtataagcca	gtaacatatt	tgttatcggt	atatgactgg	cagtgcagta	ggtttgttta	23460
caccggcagt	accacaaatg	tgagtatgag	tgcttatatg	cgtgatgtta	agacagggtg	23520
aaacatcact	aggtgataga	aacttttccag	ctccattata	atcttacagg	atctctgtca	23580
tatatatata	gtcttgtaga	ctgaaatatt	gctatgtggc	acatgaactgt	tttctaactt	23640
tagtcttaga	tattgaaaag	atttaagggt	ggggcggttg	gctcacgctt	gtaatccag	23700
cactttggga	ggccgaggcg	ggtggatcat	gagttcaggga	gatcgagacc	acggtgaaac	23760
cccatctcta	ctaaaaatac	aaaaaattag	ccgggcgcgg	tgggtggacac	ctgtagtccc	23820
agctactcgg	gaggctaagg	caggagaatg	gcatgaaccc	gggaggcaga	gcttgccagt	23880
agccgagatt	ggcccaactgc	actccagcct	ggggcacaga	gtgagactcc	atctcaaaaa	23940
aaaaaaaaaa	aaaagaaaga	aaggacttaa	acctaaaatg	cttaagaaga	aaaatgatga	24000
aattttcctt	ttctatagta	tagatagaat	tttggaagtg	atgtattcat	aaatatctga	24060
tgagttccta	ttacatggag	cacattctctg	gttatgctta	gaagggttaa	atactacttg	24120
aaaagtaact	atgcgggtga	gcataataata	gcctctcaaa	aatgtcacag	aaatttagaa	24180
ctatatagtg	acctatgact	aatcccaactg	caaaaggagc	aggtgaactaa	attgtagaca	24240
atacctgggtg	tgaaatgttt	gttcoccttga	tctataaaat	gataatcctt	taatgtttta	24300
tctgactgtg	actagtggcc	tgaagaggta	agacttttgt	gtttttttat	gtgtgtgctt	24360

acgtatgttt	ttttcttgtg	acctaaggct	ttgtggaagt	ttaaaataga	gtgattttta	24420
tgaatggctg	gagtaataaa	gatagttggg	gggcttctcc	atggaagcaa	gttgggttatt	24480
tttaactact	ttgcactgct	ttatggaaaa	catatgccac	tatagaagtt	attgtttctg	24540
ttgactgtga	ctgggtgggg	ttattactta	gttgggttcta	ggagggccag	tttttagcta	24600
atactttgaa	agtgagttct	gtgactatta	ttacttagtt	ggttctagga	gggccagttt	24660
ttagctaata	ctttgaaagt	gagttctgtg	actattatta	cttagttggg	tctaggaggg	24720
ccagttttta	gctaatactt	tgaaagtgag	ttctgtgact	atcaaagacc	agaggaataa	24780
tctcaaagaa	gctgatcaga	tcatggaact	aaagtcactt	gttctgggtg	ggaacagttg	24840
aaagggcaca	taatactttt	ggtaataata	tttaatgtaa	cttatttagc	agtgcgtggt	24900
catgattggc	aaggcagggtg	agtagattag	gaaatgagtc	tgaaaaagta	gggcaggact	24960
gctggcctaa	aataggagtg	aaagcagtg	acagacatag	ctatttaggc	aaatcctagt	25020
gtcccatgag	gataagacta	ccacaataat	ctaaaaataa	tagcttatag	gccaataacc	25080
tttaagggtt	atgtttcata	ctcaccgcag	gtcaacccat	gtggctgttt	ctcatttatg	25140
cagatctaca	tcagatttta	cttgtgttta	cctgaaaata	catattgttt	atgtagtcaa	25200
tgtatattgt	agtagcatac	agaatctgat	cttgaaaagg	ttgcagaatt	tcttgagtgt	25260
actttaggaa	cttagttttt	caaaatttat	ttaattttta	ttttgataat	tatagattca	25320
caggagggtg	taaataaaga	aatgtaaaagg	gaggtcccaa	acacctctcc	cctaactccc	25380
ttccctctct	ttgcccggtg	cagtatccca	caccaccaca	cacagtagta	taccaaaacc	25440
aggaaattga	cattggtaca	gtccatagag	cttgttcaga	tttcaccagt	tatacatgca	25500
ttcctgtctg	tgtatgtgtg	tttagcttta	cacaattttca	catataggta	gcataactac	25560
cagcacataa	agggtactca	acagtacogt	aaccacaaga	tttagttact	tcccctgtat	25620
agctacacca	gtcccccttc	tccacgggaa	actcagtttt	atagtttgge	tattgttttt	25680
aatcatgtgc	aaacctgggt	tgattaagggt	ttttgcttct	gatttggaag	cattgttaaa	25740
taatttttaa	tgaaatacag	gtaatctgaa	agcagctgac	acatggtaaa	aagctagatt	25800
tgggaacact	gaaagacttc	ttggatgcac	aggcttagaa	tgattctcag	ctgtgattta	25860
tttctctcct	ccctccctcc	ctccctccct	ccctcccttc	ctcccttccct	ccctccctcc	25920
ctcccttccct	tccctccctc	ccctccctcc	ctccttccct	ccctccctcc	ttccctccct	25980
ccccctccat	cccttccctc	ctctcaatat	tctgtaatat	tgaaatatatt	cgtaaaaaat	26040
atacagcata	ttacatatat	atctgaaatt	ttctcctttc	ttccttttag	tataccttct	26100
atattattttg	gtaccaagaa	tagagtgtctg	ctgtaacaaa	cacctaaaag	tgtggaagtg	26160
gctttggaac	ttctgaaaga	cccagcccaa	gtcccatctt	catttattta	tttattttatt	26220
tttaagaatt	ttttttccaa	ggctggatct	cggctcaactg	caacctccgc	ctcctaggtt	26280
caagtgatcc	tctgtcctca	gcctctggag	tagctgggac	tacaggtgca	caccaccatg	26340
cccagactaat	ttttgtggtt	tttagtagag	atagggaggg	tttcacgatg	ttggccaggc	26400
tgtctttgaa	ctccaggcct	caagcgatcc	atctgcttca	tctctccaaa	gttctggaat	26460
tacaggcatg	agccactgca	cccagcccaa	gtctcaactt	tctcatacac	ttaattgatt	26520
tctgtagcta	togttgattt	ccccctttat	aatcttccgt	acttacagtc	tgaaccatac	26580
aatgtaactgc	ttaaactattc	tgtgtttata	tcttgtttta	tgcgaattct	actcaactag	26640
agcatatgat	tcttcaagggt	agaataaatg	tgtttaaactt	gtatatattcg	gcggggcgca	26700
gtggcttaacg	cctgtaatcc	cagcaactttg	ggagggccaa	goggggcggt	cacctgaggt	26760
caggagtctog	agatcagcct	gggcaacaacg	gtgaaaaccc	gtctctacta	aaaatacaaa	26820
attagccagg	cgtggtggca	catgcctgta	atcccagcta	ctcaggaggc	tgaggcagga	26880
gaacccgttg	aacctgggag	gcagaggatg	cagttagccg	agatcgtgoc	attgcactcc	26940
agcctgggca	acaagagtaa	atctccgtcg	cacaaaaaaa	caaaaaaaac	aaaaaaaaaa	27000
cacaaaaaca	acttgtatat	ttcacacatt	accatacaaa	tgtgagcatg	tagtaggtac	27060
cagataaaca	tttagttatt	taactagaat	ataattactg	ctctagtatt	ttttccctag	27120
cactttcaaa	cgttactcaa	agaatccctc	tagctctctg	atacaaatat	tagaacttca	27180
ctattaacaa	atatacagctg	ggctcgggtg	ctcacgcctg	taatccctagc	actttgggag	27240
gcggaggcag	gcggattgct	tgaggtcagg	aatttgagat	cagcctgacc	aacatggtga	27300
aacctgtctc	ctactaagaa	tacaaaaaatt	agctggccgt	ggtggttctc	aactgtaatc	27360
ctagctactt	gggaggctga	gacaggagaa	ttgcttgaac	ctgagaggca	gaggttgcat	27420
tgagctgaga	tcatgccact	gcattccagc	ctgggcaaca	gagcgagaca	ccgtctcaaa	27480

aaaaataaaa	ataaaaaataa	aaataaataa	ataaaaaataa	gtaaaaaataa	aatatatata	27540
tatcactact	agctaggatt	ttaggaaggc	tacctataga	aacttagata	tatttagtta	27600
tggaaatgtt	tggttttcag	ttggtaatgt	acactctttc	agtgtttcaa	aggaggatac	27660
tggataaatc	gatttgaatt	gtaaatctcc	ccaactgggtg	ttggagaaac	cagaggagtt	27720
gatgatttta	tacacagtct	ttcctacctc	ttattattga	gaaaagagtg	ttaattgtgg	27780
tcaatgaatt	tcttcaaagt	ttgctgcttt	taaatcaaata	taaggaagtc	agcaactata	27840
agtagaatga	tatgaataaa	atgttttcatt	gttatgaaga	agtgttagta	gcacgtggca	27900
ttatgtgttt	cacatattga	agttgacacc	agaaatatac	atttgtaatt	tttttttttt	27960
ttctgagaca	gagtctagca	ctgctgcccc	ggctggagta	tagtgggtgca	gtcatagctc	28020
actgcagcct	ggaactcctg	ggcccaagtg	atcgttccgc	ctccacctac	acctcccaag	28080
tagctggaat	tacaggcaca	tgccactgtg	cccagaccat	tttagtgatt	tgttattttt	28140
taaatctcta	ttctcttttt	aatacagagc	tgcaaatttc	ttacttttct	ttagtgcatt	28200
ccatgtgtga	aatatgtgtt	ataatttgta	actaacaata	tttgaagtcc	tgaagttttt	28260
gaatgatctt	gtatgtaaga	ttagagtaga	ttcatgggtc	ccactaataa	ccacttcatt	28320
attatcactt	tgttatgtgt	gtgtgtgtgt	gtgtgtttta	agagataaac	ttataggtgg	28380
tttatctaga	attgtgtaaa	atactttcat	tttcatgaga	gagtatcttg	catgtgagta	28440
ttattttgtc	catgttatgc	ctacattgtt	ggttggaact	aaacttttagt	gacctctcag	28500
agattatttt	cattctagtt	catgtcatat	tacttttgata	tatgtattaa	gaagaagtac	28560
aagagattat	ttaatgctat	tgtctgaatg	tttgtgaccc	cccagaattt	gtatgttgaa	28620
atcctaatac	ccaatgtaat	ggtattagga	ggtatgggtc	tggggaggtg	aagtttttat	28680
aaattttctaa	aagaaagtat	aggaaaaatc	tttgtgaact	tggggtagac	tattttctta	28740
gataggtcat	agaaggcatg	aaccataaac	gctgacaatt	ggacttttga	aaaattgttc	28800
ttctaaagat	gtttaagaaa	atgaagaggc	aagccacaga	atgggagaaa	atatctatac	28860
tgcattagtg	gagtttacta	ctaaattaag	aaaacattag	aagattgtct	atatagtata	28920
actgattata	aaataatgta	tttacctatt	taaaatatta	agatatatac	tgacatctta	28980
acagtagttg	tctttggctg	gtgagattct	aagagttttg	tttttgtggt	ggttattggt	29040
ttttgttttg	tgctctttta	aaaaattggt	ttgcctcaag	tgtatagtat	ctttgattta	29100
taaaaatctt	taaataaaga	taggatagtt	tgaagatta	gcagaatggt	tacaatcaat	29160
acttgatact	acatggataa	tacttttcta	ttctattttt	gtaaattctg	tgcttgaaaa	29220
tttcaaagaa	ttttttgtgt	gtgagtgtgt	gttttgaggt	ggagtctcgc	tatgttgccc	29280
aggctggtct	caaactcctg	tcctcaagtg	attttcccat	cttggccccc	tgtagcattg	29340
agattacaag	catgagccac	cattcccagg	ccaaaacttt	cgaaacttta	aaaaatagca	29400
tgaaaacctt	tatttttagtc	caggtgcaat	ggctcacatc	tgtaaaacctg	gcaacttggtg	29460
aggctgaggt	gggagaactg	cttgaagcca	ggagtttgag	accagcctgg	gcaacatgat	29520
gacacctgtc	tctacagaaa	atttaaaaaat	tagtcaggtg	tcatgggtgca	tatctgaagt	29580
cccagctact	ctggaagctg	aggtgagagg	attgcttgag	gagttcagag	ctacccgtgag	29640
gcatgatcaa	gcagctgcac	accatccagc	ctgagtgaca	gagtgagaga	ccctgtgtct	29700
aaaaatgaaa	aaagaaaatc	tttactttat	ttattttatt	tttgagatag	agtcttgctc	29760
agttgcccag	gotggagtg	agtgggtgtg	tctoggtctc	ctgcaacctc	caactccacg	29820
gttcaagtga	ttctcctgcc	ttagcctccc	gagtagctgg	aactacaggt	gtctaccacc	29880
atgcccggct	aattttttgtg	tttttaatat	aaacaggatt	tcaccatatt	ggccaggctg	29940
gtcacgaact	cctgaacctg	ttatccggcc	accttggtcc	cccaaagtgc	taggattaca	30000
ggcgtgagcc	acccgaccca	gctgaaaaatc	tttactttat	ttacagcact	ttgtgagcca	30060
tatttagcaa	acatagttcc	acatatgaag	tttgttttta	atgataaggg	gttttttaaac	30120
ttgattttta	gtataaaatc	acagtataat	aaaagtttgt	ttacattaga	tatgaagcta	30180
attaccaccc	ctaaactgctg	gctgggttttc	tagaattgta	gaagcaggtg	gtgaacttttc	30240
ctgtctgctg	atatccaaaa	cactctgatt	cctgggtaag	ttccagcagt	attggatggt	30300
ggtaaatatta	ctgttggtcg	attaatttat	gatagtatta	tatacatctc	taaagtctaa	30360
ttctatgtat	tttttaagta	aatagtagaa	taacatggca	taacatttta	aaaggtatgt	30420
ggtaaaaagt	cttccctatto	ctaaactgtca	gcacccagtt	tcctgccatg	ggactgttaa	30480
atctcaccac	caaagaccac	caagaaaaca	tctgtagtca	aaaataagtt	acactgattt	30540
agcttgctgc	aggaaggaat	aacatacatc	agaagagctg	tgggacctct	caaaaggata	30600

gagttaggaa	agaggacata	caggatttta	ggagctgtta	gtcacagagt	aatgttagga	30660
taaaggtagt	agtctgggca	gggattggct	agaatatgta	atttgagtga	gttgctggaa	30720
cagccagtag	ttttgcctct	aggacacata	agtccttgag	gatttactgt	tagatcagtt	30780
tgtggtacta	gaacatacgg	gtatgagtga	gctgatatta	ataaaggttt	gaggctgggc	30840
acagtggctc	acacctttaa	tcccagtgca	ttgggagtct	aggatgggag	gatcgcatga	30900
ggccaggagt	ttgagactag	cctgttttaac	ttagttagac	ctcagtcctt	aaaaaaattt	30960
ttttaaaatt	aaaatttaact	gagtgtgggtg	gcacacacct	gtagtcttag	gtacttggga	31020
ggctgagggg	gaggatcact	tgaactcaag	agttggagac	tgcagtgagc	tatgatcatg	31080
ccactgcacc	ccagcctggg	tgacagaggg	agaccctctc	tcttaaaaag	aaaaaaaaata	31140
aggtttgagc	ttagatggcc	tgtgatgcac	agtacattgc	ggtttggttt	ggttcagttt	31200
atctgttttg	caagtactaa	gtgcttttct	gtgcatctgc	aagcaatttg	tagtgtaatt	31260
tcagttttgt	ttcacttttt	aatctctgtt	tctgatcatt	cgtccgctaa	actggaacat	31320
ttaccattta	ggggaggtga	tcaatcaaga	tttcaaactg	tctgttgatg	ggttgtgaat	31380
gtttataaag	ctttgatggg	agacattttg	gcctctacag	gcaccaggcc	attttgttct	31440
tttttttctt	ttttcttttt	ttttttttga	gacggagtct	tgctctgttg	cccaggctgg	31500
agtgcggtgg	cacgatctcg	gctcactgca	agctccgctt	cctgagttca	caccattctc	31560
ctgcctcagc	ctcctgagta	gctgggacta	caggcaccgg	ccaccatgcc	aggctaattt	31620
ttgtattttt	agtagggaag	gggtttcacc	atgttagcca	ggatggcctc	gatgttcttt	31680
ttcttagatg	ataatttggt	gaatcagctg	gtgtgacagt	ggctgcacag	cagcatttaa	31740
gactctaaag	atcacacact	tggcatctgc	aacacactga	aactcagaca	gttattatta	31800
aagtttaaaa	taatgtccca	tatatcccat	aatctatttg	gattttcctt	tgggcaacca	31860
aatatatttt	ttttccttta	atltggatat	gggtcattca	cctttgcaac	tgtcccatat	31920
ttggtttata	ttttgccaa	gataagcatc	ttgatagtgc	taacagtaag	gaaaagttat	31980
ctgttagcag	cctaaaatct	tacaacagtg	gagagagaag	aaaatgccaa	gagaataaag	32040
gacaaaatca	tgcaagtctg	tagtcatcag	tggcttcttg	catctgggag	gttgtgttct	32100
gattatcttg	gacataaata	gtctattcat	tttatcttct	gcttctggac	cataacagtt	32160
ctggaaatct	tggctcacc	actgtttgtc	catggcaatg	atgtcggcag	tatgcatcat	32220
taattttatc	tctgtagtgt	cagtaatggg	tgcatgatac	aaacatttac	aaaagttctt	32280
ttgataagtc	ttccacaagg	ctcaattcct	atcttttagct	tatagccagg	aacttttagat	32340
gaatgtaagg	aagaagcgga	aaccacctgt	ggatcatggg	actataggct	ttagttgatt	32400
tattatatta	accagcatta	tcagaatgga	agggagtggg	atcttctatt	gcagaaagta	32460
cataatgaat	tttatgagta	gtcactgatt	atcctagaag	taagaatata	tcacaaacag	32520
ggaggacatt	gacagtctct	aggactttct	ttcattttat	ctataaagtg	tattatgagt	32580
ttcaccattc	caagtttaact	gaaacctaga	aataaaaatcc	tttttttagat	agctattgtg	32640
gcagtctttg	tactcgaatg	tatgttttct	tttttttttt	tttgagaaga	agtttctctc	32700
ttgtttccca	ggctggagtg	caatggcatg	atctcggctc	actgcaacct	ccgctctctg	32760
gattcaagca	attctcctgc	ctcagccttc	caagtagctg	ggattacagg	tgtccaccac	32820
caaaccocgc	taattttttg	tattttttaag	agagatgggg	tttcaccatg	ttggtcaggc	32880
tggctctcgaa	ctcctgacct	caggtgatct	gctcactctg	gctcctaat	atcttcttta	32940
agccgaaaga	tacttaaatg	ttgaagtata	tttattttta	ccacatttta	ttatacatga	33000
ttaaaattggg	aaggcttaac	tttcttatg	atttgtgagg	tttttttttc	cctttaaaccc	33060
aaattttaata	aagcaagag	ttctcacaaa	agttttaagt	taattaaaaat	tcagagtatg	33120
ccaaacaaaag	ctaataattt	ttataatcct	ttaaaaaatt	tttaataaag	taaaggacta	33180
aagcttttgtt	ttacctagtg	gccatttatt	ataaacccaa	agatgtagta	gggtgtaaaag	33240
acatcttaac	aatttcttat	tatttactta	tttttttagag	acagggtctc	gttcagctgt	33300
ctaggctgga	gtgcagtggc	tggatcatag	ctcactgcag	cctcaatctc	ctgggctcaa	33360
gtgattttcc	tgctcagcc	tctgagcag	ctgggactat	aggtgtgcac	caccacactc	33420
aactaatttt	tgtgtttttt	tggtagagac	agagtttctg	catgttgctg	aggtgtgtct	33480
cgaactcctg	agctcaagca	atccacccac	ctcagcctcc	cagagtgatg	agattctttt	33540
tataggtgtg	agtcatcata	cctggaactac	tttttgcttt	ttgactgatg	attccaagag	33600
ccttttcagt	gttttagaca	tagaogtaga	tagttgtagt	ccttaactta	gtttgaatga	33660
agtgaattat	gcgtgggctg	agttcaactca	aagcttgctt	cagctgggat	tattgaccat	33720

atacccactt	tactggagaa	tgagtatgcc	aagagaccga	ggcagaatct	gcaaaatcac	33780
ttctgctgca	atgtatttgt	taaagcaggt	cactaaggcc	agttcagatt	ctacggggaga	33840
gacattagac	tctccctttt	tttttttttt	tttgtcacct	aggctggaat	gcagtgggtgc	33900
tatcttggct	cactgcagcc	tcgacttcc	gggctcaagt	gacccctcca	cctcagccgc	33960
ccaagtagct	gggactccag	gcttgtgaca	ccacattcgg	ctaatttttg	ttgtgttttt	34020
agtagagacg	gggtttcacc	atgttgcccc	ggctggactc	aaactcctga	gctcaagcat	34080
tctgcctggc	tcagcctgcc	aaagtgctag	gattacaggc	atgagccact	gggcctggcc	34140
ttagactcta	cttcttgata	ggatagggtc	aggctactgc	tatgctttta	atatgatccc	34200
cagaaagcat	atgttggctg	cctgggtgat	gggtatacta	gaagcccaaa	ctttaccatt	34260
atgcagtata	tccatgtaaa	aaaggtaaac	atataccctt	tgaatctgaa	atttaaaaaat	34320
aaaataagta	tgtattagaa	aatttatccc	aaatgcagta	gtgtcgggag	gtggggccta	34380
atgagagggtg	tttaggtcat	gaagccacct	ctaataatg	cattaatgtt	gattataaaa	34440
gggcttaagg	ctgcaagttc	tatctcttgc	tctctcttat	cctcttttgc	ccttccacta	34500
tgggatgatg	cagcaagaag	acccatgcc	gatgcctggc	cctcaatct	tgaacttctt	34560
agcctccaga	actatgaatg	agtaaatttc	tattcattat	aaattatcca	gtctataata	34620
ttttgtcata	gcaacacaaa	acagaccaag	acagtgaagt	tacagaagag	tatgtagagt	34680
gagaaatatt	attgtagcca	ttttttttta	gtttttgctt	tttttaaaaa	attattcttt	34740
aagttctagg	gtacatgtgc	tcaacatgca	ggtttgctac	ataggtatac	atgtgccatg	34800
ttggtttgc	gcacccacca	actcatcatt	tacattaggt	attctctcta	atgctctccc	34860
tccccagcc	ccccatcctc	cgaccagccc	cagtgtgtga	tgttccccac	cctgtgtcca	34920
tgtgatctca	ttgttcaatt	cccacccaag	agtgagaaca	tgtggtgttt	ggttttctgt	34980
ccttgtgata	gtttgctgag	aatgatgggt	tccagcttca	tccatgtccc	tgcaaaggac	35040
atgaactcat	cctttttatg	gctgcatagt	attccatggg	ctatatgtgc	cacgttttct	35100
ttatccagtc	tatcattgat	ggacatttgg	gttgggtcca	agtctttgct	attgtgagca	35160
gtgctgcaat	aaacatacgt	gcacatgtgt	ctttatagta	gaatgattta	taatcctttg	35220
agtatatgcc	tagtaatggg	attgctgggt	caaatgggat	ttctagttct	agatccttga	35280
ggaatcacca	cactgtcttc	cacagtgggt	gaactgattt	acacacccac	caacgggtga	35340
ttctctccaca	tctctccag	catctgttgt	ttcctgaact	tttaatgac	accattctaa	35400
ctgggtgtgag	atggatatct	attgtgggtt	tgatttgc	ttctctgatg	accagtgatg	35460
atgagcattt	ttgcatatgt	ctgttggctg	cataaatgtc	ttcttttgag	aagtgtctgt	35520
tcatatcctt	tgcccacttt	ctgatggggg	tgtttttttc	ttgtaaat	gtttaagtct	35580
tttgtagatt	ctggatatta	gccctttgtc	agatgggtag	attgcaaaaa	ttttttctgt	35640
ttttgctttt	tgagatggag	tctcactctg	ttgtccaggc	tgacgaactg	agctgaactgc	35700
agcctcaacc	tattgggttc	cagagatcct	tctgtgtcag	cctcctgagt	agctgggagt	35760
acaggcagat	gccaccacac	ctggataatt	taaaaaaaaa	attttgtaga	gatgggggtc	35820
tcaccatgct	gccaggctg	gttttgaact	cttggcttca	agcagctctc	ccaacttggg	35880
ttcccaaaagt	gctgggatta	caggagttag	tcaccatgct	tggtggttgg	cagccagttt	35940
tggaaaaataa	aatgtgctac	agacattgta	agggcaaaat	atttaacaat	aactgagatt	36000
tctaaaaaatt	gcagattggc	taaatgttaa	taaattatga	tctaagtaaa	ttatatctac	36060
ctaggagaaa	ataaaaaaaaa	atttatggta	ttttaaggta	tttatttatg	tacttatgca	36120
ttgagatatt	tgccatcaaa	atttttacta	gtgctgataa	gtacctaaac	catagtagca	36180
attcaataaaa	attatttgaa	tgaatttaatt	gaggataact	ctogataata	gttttttatgg	36240
tgaaggtttt	cattttgttc	tgtcttattt	ttatgtgtat	tttagttaga	tgcttctgta	36300
gtctattcaa	gatgtgtttt	ttgtttgttt	gtttgttttg	agacagagca	ttgctctgtc	36360
gcccagggttg	gagtttccagt	ggtgagatct	cagctcactg	caacctccac	ttcctgggtt	36420
caagtgatcc	tctgtcttca	gctcctgag	gcaagcagc	gcaaccacac	ctggctaatt	36480
ttttattttt	agtagagata	gggtttccac	atgttgggtc	gggtggtttt	gaactgagcc	36540
ttatgatcca	cctgcctccg	cctcccaatg	ttctgggatt	acaggtgtga	gcaaccgccc	36600
ccggcctgtt	caagatgtta	taacaaaatg	ccttagactg	ggttaatttgc	gaacaacaga	36660
aattttatttc	ttacagtcct	agaggtggg	aagtccaaga	gtcagcttgc	cagcagattg	36720
tgtgtctggt	gagggcctct	tcttataaag	tggcaccttc	tatgtgtcct	cacgtggcag	36780
aagggacaaa	caagctcctt	tggacctctt	ttgtaatggc	acaaatgcc	ttcatgaggg	36840

cagagtcctt	acgaccta	aatttccc	atattccac	tcttaata	accatgttg	36900
ggattagggt	ttacctat	atttttgg	cattcaa	atagcagct	ttaagaa	36960
ttgaatcaga	agtttctag	cattctttt	tttgttttt	tgaggcagag	tcttgctctg	37020
tcgcccaggc	tggagtgcag	tgggtgca	tcggtcact	gcaacctctg	cctcccggt	37080
tcaagtgact	accctgtctc	agcctcccga	gtagctggga	ttacaggcgc	ccgctaccac	37140
gcccagctaa	cttttgtatt	tttggtagag	gcaagagtgt	caccatgttg	gccaggctgg	37200
tctcaaaactc	ctgacctcag	gtgatctgcc	taccttggcc	tcccgaagt	ctgtgattac	37260
aggcgtgagc	cactgcacct	ggccagaagt	tgctagtc	tctaaactgg	aagcttgaca	37320
taatatttttg	aatcaagcat	tttaaaaa	tctgcttttc	ataaatagtt	tattttttaca	37380
tatttatccc	tttcatttag	gaaagaagat	tcatgagttt	ttttttta	cagctggcaa	37440
attagagaaa	atattttata	agcttcta	aggcatctca	aattattttg	aaacattggg	37500
aatatatctt	ttgtaatgtt	ttgcttgtaa	taattgaata	gatttttctca	tttggtaata	37560
acttgaaaaa	tacaaagtgg	ccatttta	atggactctg	atttaaagg	actgttggag	37620
gcattgggtga	cgggccattt	ttccttttaa	atagagaaag	tatgacaatc	tattttcaag	37680
aaactggccat	agcaatat	ttagtctcat	atgctcgcac	agaattttgt	cactccccac	37740
cagtaggtgg	aatctatttc	cactcttctt	gaacctgggc	aggcttgtga	ctgttcaacc	37800
aattgaatat	ggtggaaata	atgtgatggg	atttctgagg	ccatgatata	aataggatac	37860
aactgatcca	gcaatcgcac	tactgagtat	ctacccaaag	gaaaataaat	caacatgttt	37920
attgcagtac	tattcacaac	agcaaagata	cagaatcagc	gttgagtatc	tattagtggga	37980
tgaatggata	aagaaaatat	ggtatatata	cacaatggaa	tattgttcaa	ccataaaaaa	38040
acaaaacaaa	ataatgtcac	ttacagcaac	atggatggaa	ctgaaggtca	ttatcttaag	38100
ttaaataagc	taggcacaaa	aagacaaata	tcatatat	tcacttat	gtgggagcta	38160
aaaatttgaa	cacatggagg	tagagaatgg	aaaatagata	agagagactg	ggaagggtga	38220
gtgggggaaa	ggggaaggat	gaagagaagt	gagttaaagg	gtacaaacat	acattaagat	38280
aggagtagat	tcaatgtttg	atagcagagc	aggatgacta	tacctaacaa	aatgtattg	38340
tacctggtga	tgaacatcct	gaagaccctg	gcttaatact	atgcataata	tacatgtaac	38400
ataattcctc	atgtaatctg	taaatttgca	caaataaaaa	gagggaaaaa	aaaaagctac	38460
agcttcttcc	tggctctctc	tttgtcttgg	gatgcttgtt	gttggaaacta	agtcatacga	38520
agaggccaca	tgtgggtatt	ctcttcaaaa	acctgagcta	agctgcagcc	aacagccagt	38580
attaaccaca	gtatgagtga	gaaagcttcc	aggtaattcc	agccccagg	tgtcgagtat	38640
cctgctgagg	cccagaagt	tgcggagcag	agacaagcca	gccccactgt	gccctgtctg	38700
aatttatggt	ccacagaacc	tgtgatagat	aataagtgat	tattgcctta	agccactaag	38760
ttttggggta	atltgttaca	tggcagtaga	taattcatat	aatttctaga	aacttatagg	38820
gaaataaaga	tttgcacaaa	gacatatata	tatatatata	tgtgatatat	aatgatcca	38880
tgtatatata	tatgatatgg	gtgatatata	taaaataaat	atgggtgata	tatatatata	38940
cacacacaca	cacacacaca	cacacataca	tatatatatg	ttctctgtctg	tatcattttat	39000
ttatgttttc	tttttttttag	aggcagaatc	tcactctgtc	accaggtcta	gagtacagtg	39060
gctcagtc	aggtaactgc	agccttgaac	tcttgggctc	aagcgttctc	cctggccatag	39120
cctcccaaa	cactgggatt	ataggtgtga	gccacgatgc	ctggccctgc	agtataattt	39180
acaatttttt	gaaatagtct	agctatccaa	caataagaaa	atgtttta	aaattatcat	39240
aagcacacta	ttttcttaag	taaaatttct	acatttttcta	tattcaaaaa	caaagttttaa	39300
agaattggta	tatagtcaat	tatgtcataa	tgataaaact	aattgaatta	tatatattaca	39360
taaataaaga	tcattaagaa	caaaaaaggc	tttatctctg	ataaaggaca	tgtacccaga	39420
acatacaaga	actttcgtca	gtcaataaga	aaagatacta	aatgttttaa	atggacaaaa	39480
gaattgaaca	agcacatccc	caaagaagat	attcaaatgg	cccttaagca	agtagaaaagg	39540
tcttcaacat	cactactcat	cagggaatg	caaagttagag	aacaaagaga	taccggtaga	39600
cgttcactgt	actggaataa	aatttagcag	atgagcaata	ttgagtgttg	acaaggatat	39660
gaagtaactg	gaacctttac	accttgatgg	tgtgagggtta	aatggatatca	ctttgtgaac	39720
tgttgggttaa	aaccaatgtt	gacctcataa	acttttcagtc	ccattcttgg	gtatatacct	39780
aagagaaaag	agtgtttatg	tccaccaaag	cacacataga	attatattca	tagcaactgt	39840
attcataatg	gtccaaattg	gaaagctgct	ctagtcatac	attgtctgct	cttaccttta	39900
ttaacgcagt	agtgtttagc	atgtagctac	ctgtgttttag	tttaatatgt	attattaatg	39960

aaaatttatt	taggggattt	cacccccaat	tttttaactt	tatggtttca	aattttcttaa	40020
aacctttctc	tttacatcag	tttggttttg	gaagactaaa	agaaagagct	tgttgcacag	40080
atggcccaaa	gcacaaatta	ttaaaatgct	aactttttatc	tacatccagc	tcctaatatt	40140
cccttaactcc	ttgatcattc	tttttttttt	ttttttttga	gactgagtct	gtgtcaccta	40200
ggctggagtg	atagatgtat	atatgggtccc	ctatttctaag	gtaatacagt	catgcatccg	40260
agaaatgtgt	catgagatga	ctttgtcatt	gtgagaacac	catggaatgt	acttacagaa	40320
acctggatgg	tgtaactgct	atacacctag	atgggtgtaac	tactactatg	catagtctat	40380
atgatatagc	ctattacttc	tagggccacaa	acctgtacag	caggttactg	tactggatac	40440
tgtaggcagt	tataacacag	tgctaagtat	ttgagtatct	gaacatatct	aaacatagag	40500
aagggtacaat	aaaaacacag	tataaaaggc	aaaaactggg	acacctgtat	agggcactta	40560
accatgaatg	gggcttacag	gactggaagt	tgctctgggt	gagtcggagg	tgaatgatga	40620
gtgaatgtga	gggccttagga	cattattgtat	cactactgga	gactttataa	actttataaa	40680
cactgaacac	ttaggctaca	ctaaatttaa	aacaaatttt	tcttggctgg	gcatgggtggc	40740
tcactcctgt	aatcccagca	ctttgggatg	ctgaggtcgg	cagatcactt	gagtcacagga	40800
gttcaagacc	agtctgggga	gcgtggcaaa	accccatctc	tacaaaaaat	acaaaaatta	40860
gccaggcatg	gtggcgacac	cctgtagtcc	cagctgagga	ctgggaggct	gaggtgagag	40920
gatcattttga	gccaggagggt	tgaagggtgca	gtgagccatg	gtagtgcocat	tgactcccca	40980
tctgggcaat	aaagcgagat	cctatctcaa	aaacaaattt	tttttcttta	ataatatatt	41040
aaacttagct	tactgttaag	tttttaacttt	ataaatgttt	cagtttttaa	aaacttttgg	41100
acttttttgt	aataacacct	agcttaaaaag	acaagtacat	tgtatagcta	tagaaaaata	41160
tttttcttta	tatctttata	ggctttttct	atttaaaaag	tttaaatttt	tttttaactt	41220
ttagaatatt	ttggtaaaaa	tgaacacaca	cacacacaca	cacacacaca	cacacacaca	41280
cacacactga	gcctaggtct	acacaggggtc	aggatcatga	atatccctgg	cttgcccccc	41340
tacatcttta	tccactggca	caccttcagg	agcagtaaca	ggcatggagc	tgttatctcc	41400
taggataaca	ataccttctt	ctggaagtcc	tctgaagga	cctgcctgag	gctcttgagg	41460
agatgtcact	cttttcagaa	atttgcccat	ggtgttttgc	ttggtttatt	tctatttttc	41520
attgtagatt	tgtttgtaag	cagttaatgc	agcatgaaca	ttcctgtgta	ttaatgaaaa	41580
cctttctgtt	tttgggggtc	catgttttca	cacttcctaa	ggagtttggt	gaggtgtgca	41640
aaagcttctc	ccaaaccctt	cactgtgagt	tttgttgggg	gttctttttc	tttctccagc	41700
aaacttcctt	ctctcttgct	gcttcttcag	ctttgcattc	ctattccagt	tccactcat	41760
tagtcaattc	ctgcgatgtt	attgtggcta	taacgttact	agatgacagg	agtttttcag	41820
ctccatttaa	ctacagtcca	ttgttgacca	aaacatcatt	ttgtggcaca	caactgtatt	41880
tagctatttt	agtggttggg	tagctgctat	cgttttttca	gtgaaatttg	agtagttaaa	41940
atgagtcaag	tagtagctga	aagcatgacg	aaacttataa	taggaatttc	ttactttgta	42000
aatgatacaa	tatggtatgg	ctagattaag	tcttttaaaa	atactcatag	atttcaactt	42060
ggtttccataa	agctggaagt	ggaaacattg	gacatatatc	agaaattcaa	ttgaacgcct	42120
cccttttaaat	ttatggttta	cagaattgtg	gctcttagat	ccagggggat	ctaaagtaga	42180
ctgtgtttata	aagtaggcac	ataacaagac	aacagccaat	ttaaaaatat	taaatgaact	42240
tgctaattct	ccatgatatt	atataataaa	actttgtacc	taatgtaaa	tgaaggtagt	42300
tatttagcatt	tccaggttag	aaaacataac	tggacttccc	ttatccactt	tttttttttt	42360
tgaacgggag	tcttgccttg	tgcgccaggc	tgaagtgcag	tgccacaatc	tgggtcact	42420
gcaacctcca	tctcccagat	tcaagcaatt	cttctgcctc	agcctcccag	gtagctggga	42480
ttacaggtgt	gtgccatcac	accgggtcaa	tttttgattt	tttagtaaa	acagggtttc	42540
accatgtttg	ccaggctggg	tttgaactcc	cgacctcagg	tgatccacct	accttgggct	42600
cccaagggtgc	tgggattaca	agcgtgagcc	acaccacacc	cggcccctta	tccattcttt	42660
tatgctctgt	tactacagca	aattattctc	agacatagct	ccatcttggt	agttagtttc	42720
ttgttattat	cagtaacaaa	gtacattaag	ctactgcctt	ttgttttatt	ctgttttgtt	42780
ttgttttatt	ttgagacagt	gtcttgcctc	gttgcccagg	ctggagttca	gtggcgcgat	42840
ctcagctcac	tgcaacctct	gctcccacag	ttcaagcgat	tcttctgcct	cagcttcccg	42900
agtagctggg	attatgggca	cttgctcacta	caactggcta	atttttjgat	ttttagtaga	42960
ggtggagttt	tgccatgttg	ccaggtctgg	tcttgaactc	ctgacctcaa	gtgatctgoc	43020
tgcctcagcc	tcccaaagtg	ctgggattac	aggcgtgagc	catggtgccc	gyccgagact	43080

tctaaaacat	aggtgtcatt	aggacagttc	tataggagaa	ataaatgcc	ttttagtatt	43140
atgactactt	ttctttcatt	ttctttaacc	atagtttcat	ttttaacacc	tgttctatag	43200
atagaaaaac	aaagatactc	atgtcatcta	gtgtcttgtc	tcatttataa	cttgttccct	43260
gaatcagctt	caagtctttc	atgtttatgt	gtaaaacata	gggctgggcg	cagtggctca	43320
ctcctgtaat	cccagcactt	tgggaggccg	aggcaggtgg	atcacctgag	gtcaggagtt	43380
cgagagcagg	ctggccaaca	tggtgaaacc	ctgtgtctac	taaaaatgca	aaaattagcc	43440
aggtgtggtg	gcatgcttct	gtaatcccag	ctactcagaa	ggctgagaca	gaagaatcgc	43500
ttgaactcag	gaggcggagg	ttgcagtggg	ctgagatcgt	gtcactgcat	tccagcctgg	43560
gttgacagag	caagcctcca	tctcaaaaaa	acaaacaaca	aaaaccatta	taatttatgc	43620
acacacaaat	atttaaaatg	actgtcacct	ttttataact	agaattgata	atttatgata	43680
catagtatct	tagaattttt	tccccacgta	ctggtgctgt	ggatgtgaaa	tcatggtgat	43740
ttattaggtt	taatttgtca	tgtaaaagaa	ttgtgttctg	tttgttctct	atacatttaa	43800
atattttaaa	ttattattat	tatttttttg	tagctgtccc	ctttcctcca	acccaacggc	43860
ttactttcaa	ggaagtattt	gagaatggga	aacctaaagt	tgatgtttta	aaaaaccatt	43920
tggtaaagga	aggacgactg	gaagaggaag	tagccttaaa	gataatcaat	gatggggctg	43980
ccatcctgag	gcaagagaag	actatgatag	aagtagatgc	tccaatcaca	ggtataaaaa	44040
gtctttgcat	gatacttttt	tacagtatag	atttgcata	gcagttttga	gaaataatta	44100
caaataacca	gctaaaaagt	ggtgtggtaa	tttttctaga	aattatgaga	cagtcaggat	44160
tggttaggat	atttgttggt	aattgaagaa	atacaatttt	aagtgtctca	tatttccagt	44220
agaactattt	agtatgagta	gattgactac	agttttacag	cagtcctgtc	aaaagctgga	44280
gtgatttaag	ttagaagtta	aactgtgata	ccttttggtg	taatgccctt	cgtcttctaa	44340
ggtataattt	ctcacatcac	tttatgcttt	ttttcctagt	atgtggtgat	attcatggac	44400
aattctttga	cctaatagaag	ttatttgaag	ttggaggatc	acctagtaac	acacgctacc	44460
tctttctggg	tgactatgtg	gacagaggct	atttcagtat	agaggtaaaa	attaaactgg	44520
aratgttggg	actattatat	tgtctttcaa	aaaagatgat	ttccattctt	cagtagaaga	44580
aattaaaaatg	agaactctgg	cagaattttat	aaactttggt	actttcaaaa	ttaaagttagt	44640
agaaatgttt	taattgatag	aacagttatt	ccttttttaa	aaccagtoga	aaatctgaca	44700
aataggctat	atattaatat	taacccaatt	ttacaaatag	ttaaatgttc	accaactttt	44760
cctcttgaag	atagtataca	ggattgtata	aaaatgacat	aaattgctgt	tcaccctaaa	44820
tggggtttag	attagctgac	cttaattata	agaccataag	ctgctgagct	acaattaaca	44880
cttagattaa	ctgccagtgc	taaataaaca	ctaagctttt	tgtagggaata	atgtctggta	44940
ctggtacaca	tagtaagcac	ttaataaatg	ttcactgaag	gggaaaaatg	agttgtagtt	45000
aattaaaaact	tatactttcc	ttttatatat	tttgaaaatg	gaaagatagg	aacatgttta	45060
gaattaaata	gaagctttta	tgtgtaaaag	ataaaactac	tttagaactt	tatgcaagga	45120
cttgagtaca	gtggaaccac	agcacattcc	tagttaatgt	tcattgatcc	aactctacat	45180
gctgggcaaat	aaaagagaaa	aaaacttttg	aaatagcgtg	ggtaatagga	tttgtaatgt	45240
gaccaagaat	aagcatgagc	tgagaaattg	agtctgcttt	ctgtcttgct	gtctatagtc	45300
ctgcttgccc	tcattgtgtg	agaatctcac	tgtactaagt	gtgtttctgg	tggttaaagg	45360
tttattgtct	tgcagctcca	ctcctaaaatg	caagtcagct	ctctcacctg	atgcccgaagc	45420
aaaggagcag	cagttgtctct	attgtctgtg	aaaaaataag	caaaaaaatg	gatttttagt	45480
tttctgttag	ataggcaatc	taaattcatg	aatcagaaaa	gttcaatgtt	ggccaggcac	45540
ggtggtctac	gcctgtaatc	ccagcacttt	gggaggccga	ggcaggcaga	ttacgaagtc	45600
aggagatcaa	gaccatcctt	ggtaacatgg	tgaaacgcgc	tctctactaa	aaatacaaaa	45660
aattagccgg	gtgtgtaggc	aggcaactgt	agtcccagct	acttgggagg	ctgaggcagg	45720
agaatggcgt	gaacctggga	gacggagctt	gcagtggagct	gagatcacgc	ctctgcactc	45780
cagcctgggc	gacagagcga	gactctgtct	caaaaaaaaaa	aaaaaaaaaag	ttcaatgtta	45840
gttgccagtg	cacaaaattc	atttagtgtc	aaatgtgagg	acaaaagtta	aaggtataaa	45900
ctgacaaaat	agtaaaagccc	atttttccct	ctgctccgta	aatgtccaaag	gtctctaaaat	45960
aggtactggg	aataggcgga	gattatcctt	gcagactgta	tcattgagga	gcttccctgt	46020
tgcactcat	atcatgcag	tttcagtaga	cataagtcac	atgtatggat	gtggggctgc	46080
gcgcaatggc	tcatgctgt	aatcccagca	ctttgggagg	ccgaggtggg	tygatccct	46140
gaggtcagga	gttcgagacc	agcctggcca	acatggtgaa	accccatctc	tactaaaaat	46200

acgaaagttt	accaggcatg	gtggtggg	cctgtaatcc	cagctacttg	agaggctgag	46260
gcaggataat	cacttgaacc	tgggaggcag	aggttgccagt	gggctattgt	gccgctacac	46320
tccagcctgg	gtgacagagc	aagactctgt	ctcaaaaaaa	aaaaagaaag	aaagaaagaa	46380
agtatggatg	ttagaaagac	acattgagtt	cagttttattt	ctttgtgttt	ttgctagcat	46440
gagaaggttt	cagacggtaa	agattagaag	aatacaaaaa	ttactgaatt	tctaattagg	46500
cattttattt	tattttattt	ttttagagat	ggggtcctgc	catgttgcct	aggctggagt	46560
gcagtggcta	tacacagggtg	cgatcatttc	gtacctcagc	ctccaactcc	tggattcaag	46620
ccatcctcct	gcctcagctt	cctgagtata	tggaaactata	gatgcacacc	actgtgcctg	46680
gctagtcatt	gtatttaata	aaacaacttt	taaaatatatt	atttatttat	ttattttattt	46740
attttttgag	acagagtttc	gcttttggtg	cccaggctag	agtgcgaatgg	cacgatctcg	46800
gccacccgca	acgtccgcct	cccaggttca	aatgattcct	ctgcctcagc	ctcccaagta	46860
gttgggatta	caggcacctg	ccaccacgtc	tggctaattt	tttgtatttt	tagtagagac	46920
ggggtttcac	catcttggcc	aggctggtct	tgaactgctg	acctcgtggg	ccaccacact	46980
tggcctccca	aagtgcctagg	attacagggtg	tgagccactg	cgcttgccaa	taaaacaact	47040
tttttttttg	agatggagtc	ttgctctggt	gccctggctg	gagtgcagtg	gcacgatctt	47100
ggctcagtg	aacctatgcc	tcttgggttt	taagcagttc	tctgcctctg	cctcctgagt	47160
agctgggatt	acaggtgctt	gccaccacac	ccggctaatt	tctgtatttt	tagtagagat	47220
ggggtttcac	catcttggcc	aggctggtct	tggactcctg	aactcgttat	ccaccacact	47280
tggccttcca	aagtgttggg	attacaggca	tgagccaccg	cgcccagcct	aaaacaactt	47340
tttagtgata	aattattatg	ccaaattatc	ttctgattaa	ctcgtataac	ttaaaatagc	47400
tttaaaatag	ttttaattca	ttaatacatt	caataaagca	catagaaaat	atcaacaatg	47460
attttgtgca	cagacatcat	gttcagaata	ttttgtgtta	tgcatttttt	tcctcactca	47520
tcaataaagt	ttcttgagtg	ccaactttat	gggcaggctg	tgagaataaa	ataaagaata	47580
aaatttatgc	tctgtaggag	cttccagttc	aatagaaaag	atgcacttac	gaatagactt	47640
ttgttataat	ataaaatgtg	cttcttgaat	taacagcgtt	tttcatatta	ggacttagca	47700
cagtgcctaa	cacatagtag	gcacatagtt	aatatttgtt	gaatgaatga	atgttaataa	47760
atcatagttt	gtatttagct	ttattctggt	aattagatgt	ttgctaactt	aaagggtttt	47820
ttctgcaata	acttcagaga	taaatgaatc	aaaactttta	ggtgacaatg	acattttata	47880
ccagtgttaa	aaccaaagta	tgagatctat	cgagtattca	ttggaagtca	cttattttata	47940
aaccactaag	attataaacc	tctataggct	atagcttact	ctaactgttt	gcaagtatac	48000
acttgaaaaa	taatttttta	ataaatattc	ttgatagcca	tgagtgtgat	gtttttgttt	48060
aatagatgaa	aataaggtea	tggaaattctt	attaaaaattt	tttgttataa	ataattttatt	48120
tttaatagaa	aagtggggaa	atgcagaatc	tagaaaacaa	aaactttcta	caaatcagag	48180
ataatcactg	ttaatgtttt	attatacttt	cttgcagcct	ttttctctct	tttacatttg	48240
tatatatttt	gttttcaaga	aaattgagag	cattttgtac	gtcctttttc	tgatcttctt	48300
tttccactca	agattgtatg	gaaagcattt	ttctgtattg	ttttctccag	aagtgtagtg	48360
tcaaagtcaa	ataaaataga	gacaaatctc	tgaatttaaa	acatttttatc	tgagaagaaa	48420
aaagaccagc	ctggggaaca	tggtgaaacc	tctgtctgtac	taaaaatata	aaaatttagcc	48480
aggtgtgtgtg	gtggggcgct	gtaatctcag	ctacttggga	ggctgaggcg	ggagaatggc	48540
ttgagctgtg	gaggtggagg	ttgcagtggag	ccagatcgc	ccactgcac	tccagcctgg	48600
gtgacttagc	aagactctgt	ctcaaaaaaa	aaaaaaaaaa	gaaaagaaaa	gaaaaaatgc	48660
aatttggggc	atacacacag	actgagcggg	ctttgggtatg	tctgaagaaa	agagaagggtt	48720
aggtttttatg	agaaagaaaa	atgttatgta	ttgctgtttg	agaaagtcca	ttgacactag	48780
taaggttctg	gaggtctgac	aagttttact	taatctcatg	taatcaattt	atattctgct	48840
tgatctcctg	taatagtttc	atgagtcctg	cagttctctt	attagagttg	tggaaatttt	48900
tatttagcct	attgcactta	atgttatcag	caacttatat	ttaagagtac	ttgttgaagt	48960
cttttccatg	aatctgattg	tgcattgttt	tagagacaaa	acagtaactg	tggatgacaa	49020
aagcttagaa	cagccatggt	taaaaatctg	atgaaagttt	acgattgata	aggaattttg	49080
ttatttctat	tatagatagc	attttaggat	acaataatca	gaattaagac	tgagttatga	49140
gttatataat	ttttatgagt	tatacaattt	ttgaaacatt	tatgttaaca	acataccctt	49200
aaatgcaact	aaaataagat	ctagtatcac	ttaccattta	acagtttctt	atataattta	49260
ctaaatgagc	ctgatcattt	catatctctg	taagatgaga	gatatagatc	ttttgaggct	49320

ttccaggggc	tgaactggaa	aatcccaaag	ttaatttaat	ttaattttat	ttttttgaga	49380
cggagtctcg	ctctgtcacc	caggctggag	tgcagtgggtg	caatctcagc	tcactgcac	49440
ctccgcctcc	caggttcaag	tgattctcct	gcctcagcct	cccaagtagc	tgggattaca	49500
gccccccacc	accatgctca	gttaatat	gtgtttttaa	tagagatgga	gtttcaccat	49560
attggccagg	ctggtctcca	actcctgac	tcaggtgac	cacctgcctc	agcctcccaa	49620
agtgccagga	ttacaggtgt	gagccactgc	agccagcccc	aaagttaatt	ttaggtcaaa	49680
agtacttaat	tgaggctgg	cacagtggct	taagcctgta	atccactgc	tttgggaggc	49740
ctagatggga	ggctaacatg	tgtccaggag	ttcaagacca	gcctgagcaa	gaccttggtt	49800
ctataaaaat	aaaaaacaaa	aaaagactta	attgaggatt	tgattttggg	gacgtttgtc	49860
aaagatgtca	aaaggctcag	aacatctgat	caaaacagaa	tcacacaggt	cactataaaa	49920
taatggtcac	ttggctgtgc	gcagtggctc	atgcctgtaa	tcccacactt	ggggaggccg	49980
aggcaggtgg	atcacctgag	gtcaggtggt	tgagtcacagc	ttggccaaca	tggtgaaacc	50040
ccgtctgtac	taaaaaataca	aaaagttagc	cgggctgtgt	ggtgggtgcc	tgtaatcca	50100
gctacttggg	aggctgaggc	aggagaatca	cttgaacctg	ggaggcagag	gttgacgtga	50160
gccaaagatcg	cgccactgca	ctgcagcctg	ggcaacaaga	gcgaaactct	gtctcaagaa	50220
aaataaataa	taataataat	aataataata	atgataatat	tcattcagcc	agtataaaa	50280
gatttccaaa	gtaatacaga	aagttacatg	gatgtaaaaa	cgttagtttc	cttaaagt	50340
agttttccta	agttataaga	tacctaatga	gggcaacaca	gaaattatct	tgatgaaatg	50400
tggaagtttt	gtgttctttt	ttttttttta	atgttttaaa	ttctgggtata	catgtacaga	50460
acatgcaggt	ttgttacata	ggtatacatg	tgccatgggtg	gtttgctgca	tccatcaacc	50520
tgtcatctac	attaggtact	tctcctaata	ctatccctcc	cctagccccc	cacctacca	50580
taggccccag	tgtatgatgt	tcccctccct	gtgttctcat	tgttcaactc	ccacttatga	50640
gtgagaacat	gtggtgtttg	gttttctggt	cctgtgttag	tttgttgaga	gtgatggttt	50700
ccagcttcat	ccatgtccct	gcaaagacat	gaactcatcc	tttttttttg	ctccatagta	50760
ttccatgggtg	tatatgtgcc	acattttctc	tatccagtct	atcaactgatg	gacatttggtg	50820
ttggttccaa	gtctttaacta	ttgtgaatag	tgctgcagta	gacatacgtg	tgcatgtgtc	50880
tttatagtag	aatgatttat	aatcctttga	gtatatacgc	gataatggga	ttgctgggtc	50940
agatgggtatt	tctgggttcta	atccttgagg	aatcacccca	ctgtcttcca	cagtgggtga	51000
actaatttac	actcccacca	acagtgtaaa	agcatttcta	tttctccaca	tcctctccag	51060
catctgttgt	ttcctgaact	tttaatgac	gccatttcta	ctggcatgag	agggtatctc	51120
attgtgggtt	tgatttgcac	ttctctaata	accagtgatg	atgagctttt	tttcataat	51180
ttgttggccg	cataaatgtc	ttcttttgag	aagtgtctgt	tcatactctt	tgcccccttt	51240
ttgatggggg	tgtttgtttt	ttctttgtaa	atttgtttta	gttcattata	gattctggat	51300
attagccctt	tgtcagatgg	atagattgca	aaaattttct	ccattctgt	aggttacctg	51360
ttcaactctga	tgatagggtc	ttttgcagtg	cagaagctct	ttagcttaat	tagattccat	51420
ttgtcaatat	tggcttttgc	tgcattgtct	tttgggtgtt	tagtcttgaa	gtttttgccc	51480
atgcctatgt	cctgaatgaa	gcataataaa	gttttgtttt	ttaaacaggg	taccaaaaag	51540
gtgaagaaaa	accttctgta	gtatgattgt	ttcttcttat	gtgatgttca	cttacataac	51600
ctggaaatca	aacgggatga	aaagagtact	tgaatttaac	agacagagga	agaatgtgcc	51660
caagattatg	aatgttttcaa	ttcagctacg	tcaagaaaag	ccaagataca	gtagaggaaa	51720
acatagcttt	tttaggtctt	taagataaac	ctcttagtgt	cagatcataa	cagtcagagt	51780
agaataggag	aaaaaaaaagt	ataggagcag	atgaaaaagt	tggagagagt	cacctttctag	51840
ccaagcaaaa	agatacgtct	ttccaagtgg	agaaagaaca	gaagggaata	atatatgact	51900
tgcaatcatg	tacagtgaag	gacagcagaa	tttgaacttc	tgaggtatac	atttgagaag	51960
tttcaaaaag	aaacagattt	cagaatttaag	tatcaaaaac	tottgcagtt	ttactaagag	52020
aatgtcaata	ctttaagaaa	agcctgtttc	tacaatagga	gaccaaaatt	tatagttttg	52080
tattagtgtc	tttttaactat	caaagctcaa	totttgggaa	gaccacatgt	catttttat	52140
ttttattttt	caattttcat	ctatttatct	attttgacac	ggagtctcgc	tgtgttgccc	52200
aggctggagt	gcagtggcgc	aatctcgact	cactgcaggc	tccgctcca	gggttcaacc	52260
cattctcctg	cctcagcctc	ctgagttagct	gggactacag	gcagtgtgcc	ctacgcctgg	52320
ctaatttttt	gtatttttag	tagagactgt	gtttcacagt	gttagccagg	atggtcaaga	52380
tctcctgacc	ttgtgatctg	cctgcctggg	cctcccaaa	tgctgggatt	ataggtgtga	52440

gccactgccc	ccagtccecat	atgtcatttt	attttaatta	tagccagctt	gatcacatac	52500
aaaattccat	ttataaatcc	cgttttcaca	aaccctatta	caatttcact	cagaccatta	52560
atgacatgct	tggactttct	gctttgtcct	gtatttcctt	tcttaaataa	ccatttttatt	52620
ttaggatgaa	aatttgccac	ataagattct	ttgtcataca	aaattattct	atttctcaat	52680
aaaggacaca	ttttaatgcc	tatcttgtaa	ttaaaaaaaa	tttttttaag	agacagagtc	52740
ttgctctgtc	accagactg	gagtgcagtg	gtgcaatcat	agctcactat	aaccctgaac	52800
tcttgggctc	aagcagtcct	cctgcctcag	ccaccccaat	tagctaggac	tacaggtgtg	52860
tgctaccaca	cttggctaata	tttttttttt	ttaatttttt	tagagttagg	tctcactgtg	52920
ttgttcaggc	tggccttgaa	cttctggcct	caggataccc	tccaacctca	gcctcccaaa	52980
gtgctaggat	tacaggcatg	tgctaccaca	gccagcttgt	atcaacaatt	ttaaaaacaa	53040
ttaattttatc	aaagattttac	ttaagtcaca	agaactgaaa	aaacattttg	gttaattact	53100
acataatttta	tatgagcact	tgtttactta	aactaatcag	aataaatttt	tttagggatt	53160
tctggctgac	tatatgagat	tttattatgt	agacacagca	tacaacatag	tatatatata	53220
taatataagc	atatctacac	agatatacat	acttataaat	aaatttcttat	ggcttttgtt	53280
ttagagtttt	ggtcatgaaa	tagtaaaaaca	ctcaccaatt	tataaaaaac	agtaggatcc	53340
agattatctt	tctgacaaaa	tggaataagg	ccaaacttaa	tggtcttttt	taaaacaggc	53400
aatattataa	gggttgtgaa	ctaaattttt	agtaaagtag	tttgagtcag	ttaccaataa	53460
actggattcg	acacagaata	gttaattgtg	gaaatatgac	tgaattatct	tctaacaagg	53520
tctgttcagt	attttatttg	tctcaattct	ttatccttga	agataaaaagt	gttgccattc	53580
cttttactgt	gggcaggcta	tctttacatg	ggaatttcat	ttttgcaaag	gaaagagcat	53640
gaaggtcaaa	atgattttct	ttaatatctg	ctggttttaa	gtgttttact	taaatggtea	53700
gtatgccaga	atagttgaag	agttttgaag	aaagagttta	gaaaaagata	agaggaggca	53760
gagcgggagg	ggaaagctct	agagaggaaa	gtgattcagc	tagctttgag	gcagtgtttt	53820
gtagtgaagc	attctttgag	tcttgaatcc	tttttttttag	cctcaaaaata	tcaatgagat	53880
acgcatactt	tatttggagt	atattatttt	ctaactgtgg	tcttttagtt	taaggaacaa	53940
cagactgttt	gaatgatcct	tacgatgttt	gaacatgtta	ccggctggaa	tcccagaaaa	54000
tatcttggca	tgcttttgaa	ttttgagagc	ccatttttatt	gtgggtgtct	tggtttaatc	54060
ccaaatacac	aaaaaccaat	taaatataag	cactgaattt	gcaaaggcca	aataaacgca	54120
agcacagatg	ggaaaataaa	gtaccacttt	accaagaagg	acgataagaa	gccttctcca	54180
actgaaagaa	aaaagagaga	tcccagggcc	tcaacccaaa	gggaaaaaatc	ccttccctga	54240
gacccacacg	ccagggtcta	caaggaggaa	aagagtcttc	cttaatagga	gatccctcag	54300
ccagatcaga	cgggaagggg	aaagacacca	tcccatccaa	atcccagata	aaacagaact	54360
caacccaaat	cgggagttca	gtccaagaat	gactcactaa	gggaaaaaga	ggcaacttgc	54420
agaagccgtt	agaggagggg	gtgactttca	gaggtcccca	gtgtggctac	cttgacttat	54480
agttccaatg	gotgtgato	ttctctgaga	tgagtcagcc	ttagactcat	acttgaccaa	54540
gtatgtcaaa	gtcaaatgaa	acacagagat	gaatctctga	aattaagatg	ttttatttgt	54600
gaagaaagaa	ttgcaattta	gagcatgcac	gcagacagaa	tggatatgtc	gaagaacaaa	54660
gagaaggtta	gaggttttat	gaaaaagcga	aatgttatgt	gttgctcttt	gagaaagtcc	54720
attggcacta	gtaaggttct	ggagagcttg	ccagttttga	ttggtgagtg	atggcagttg	54780
gtaaaattag	ccttagaatt	tcagcagatc	atttcagtag	ccattagata	aaactgtgtt	54840
ccagtaatat	caggcagttt	cggcagacat	gottgcagag	aattacattt	ttgggtcaat	54900
gttatatgtc	ctgagtgcct	cccccccgcc	ctcttgactc	tgtttttagtt	gggtatgaca	54960
ggaataaccc	agttcatatg	atcaactttc	acagtatgta	atgatataaa	tacotttaatt	55020
tatttcacca	ttctctact	gttggaaaaa	taggtttata	gcaggtcatg	ctattgcata	55080
cattttccct	ctgtcttctc	tacaaacaa	atctctattt	tattcagata	gatgggattg	55140
gggttgccag	gagaagcttt	gatctcaggg	aagggaaggcc	cttatcccag	ccccaggga	55200
tgaattcttg	gtggtctgaa	ctactcaagc	caatcaattt	cctgtcacta	atgatttggtc	55260
taggggtaaa	cactggattt	tcttttaacc	agtaatatat	aaagggaact	ctgtgtgggtt	55320
tttgtttgtt	tgcttgcctt	tggaaaacact	ctttcttgat	gaaaagacta	ttgcaaggtt	55380
gaagcttttg	gaccccatc	ctaccatttc	acttcatatg	tggatgtgtg	tactgtagca	55440
gccatgctgt	gactatgagg	aggtgacatg	actaaggagg	aaaagcagac	ctgtgaatcg	55500
ctgatcacag	aggtacagag	ggcttggttt	cttggtgaag	atgttgaaact	agtacaccaa	55560

acctggacat	ctcatctcca	gacttgatgt	gttttttgtt	ttgttttttt	tttttttttg	55620
gacggagtct	cactctgttg	cccaggctgg	agtacagtgg	caccatctcg	gctcactgca	55680
gcctctgcct	cccaggttta	agtgatccct	ctgcctcacc	ctcccagagta	gctgggatta	55740
caggcaccca	ccaccacgcc	tggctaattt	ttgtattttt	agtagagatg	gggtttcacc	55800
atgttggcca	ggctagtctc	aaactcctga	cctcaggaga	tctgcctgcc	tcagccaccc	55860
aaagtgcctg	gattacaggc	atgagccacc	gcgccagacc	cagactttgt	gttttatgag	55920
gtattttaat	atcttacaca	acagcaaatt	ggatttgata	tcacttgtat	ttaaatggta	55980
caaagtgtgc	ttccaattat	ttccactctg	cacattgcta	aagttaacat	ctttttgaat	56040
atatctgtga	tggcattttca	gatacttaga	tcagattctc	acacatgaag	taactgatca	56100
aagagtagaa	cattttttaag	acttctgccg	ctgataaaac	aaaatagtaa	agttttattt	56160
atctttgaga	cttttgggtg	tccctcttca	tttgtacctt	ttacaaaatg	ctggctgggc	56220
gccctggctc	acaccggtta	tcctagcact	ttgggaggcc	aaggagggtg	ggtcacctga	56280
ggtcaggagt	tcgagaccag	cctggatgac	atggtaaaaa	cctgtctcta	ctaaaaatac	56340
aacaaattaa	ccaggcgtgg	tggcgtgtgc	ttgtagtccc	agccactcag	gaggctgagg	56400
caggagaatt	gtgtgaaccc	tgggtggcaga	ggttgccagt	agcctagatt	atgccactgc	56460
attctggcct	aggtgactga	gtgagactct	gtctaaagag	aaaaaaaaaa	taaaaacaaa	56520
gtgcttcctc	ttcctctgtg	agagaagaag	ctaaatttta	gtttctttta	ttgattttgt	56580
gagaaaagaa	aagattaaag	ggaacatttt	cagcaaagat	atactgtatt	aaaagcacag	56640
aagctgccaa	agagaaaaat	gttatcagat	gagcagggtg	tataaatggt	attagatgac	56700
caattgatga	acagggtattg	acacatagaa	atgattcttg	aggcagagta	aaaattctgt	56760
tcacacagaa	gtaaaaagta	attgagtggg	tgaacagatc	tcttgataat	catgaccttg	56820
taattgaatt	atacaagaca	attgtacagt	tgcctcctga	tgtataaaat	aaggaaataa	56880
aacttgaaat	tagaggccaa	gaagcacatc	accaaattgac	attatactat	gggtggattg	56940
tgcctttata	tatctcgtta	cctcaaaaag	gtgagttaga	aggcacaaat	gtataccacg	57000
ataaatcaaa	agatatattg	tgttcttggt	tgggaaaggc	aggtatagaa	aagagaagtg	57060
cattctaaat	ttgtatatgg	atttaatat	atttttctct	ggaatatatt	gtgaaaattg	57120
ttatcttggt	aatgaaattt	aacccctcaa	aagaataaag	ccacacaagg	ttatttatat	57180
gtgtctacat	gtttaagctt	tatgattatt	ttgcaatgcc	tgtttcaaaa	tgtgtatatg	57240
ctttaatgca	acaattccat	ttttcagaac	ctatgcttta	gatgcactca	taattacgta	57300
caatgatgtt	tgaattgttt	gtcacaatga	ttgaaagtgt	cttttggcat	ttgataaaca	57360
ggcttcaggg	atacaaaata	ccctgcaatg	tgtaggagac	acctaaacaa	caaagaatga	57420
atgattctca	gattgtcaac	agtgcctgtg	ttagattctg	gggatctaac	agggagatgc	57480
acaagcaaag	tcctttactg	tattttctag	tgagagggac	agcatcatgt	atltgtttac	57540
catccatgag	aaccaaatac	gaggaaggag	ctaaagcggg	acaggagcag	ctaacttaga	57600
tggagtgate	agggcagggt	cttttgaaga	ggcaattgtt	gaacagaatg	acctgtggga	57660
acaagctgtg	catagatcag	gggaactaca	ttccaggcag	aggcacaacc	agtgtaaaag	57720
cttacaggca	gaagcaagtc	tagggcagtc	catgtatagt	agtgaggcta	tcgaggctag	57780
acagaataat	gagtaaggga	gagatggaag	aggtgcagag	agtggggcag	atagatgatg	57840
tcaggcctag	taaaccatgt	cagtgcattt	gggtttttat	ctgaatgtgc	taggaagtta	57900
ttggagggaat	tttttttttt	tgagcagggg	agtgacgtat	tcacatttat	gttttaaaac	57960
aattactttg	gctgttagaa	ggtcagttga	cttttggagc	ccaaaagcag	gtgcaggggag	58020
accagtgagg	atttaattcta	gtaatatagg	taagagatgt	cagtaattag	attaggcata	58080
ctgagaaaaca	tttggattca	ggattttcaa	gtctttcctt	tttgaggagg	tgggaaagtc	58140
tcagttgaat	tgatcgagct	cctcaggtea	tggcacattt	ctcatcagtc	tttgcaaaagt	58200
ccctcttttt	tgttttatct	tttttgtgct	tatctgtgat	ctctgagttc	cttactccct	58260
ctccccagta	tacacatgct	tctactgtat	ttaatatatg	attcagaata	catctaattg	58320
atatatgaat	gaatgattct	cagattgtca	acagtgcctg	tgttagatct	tagggatcta	58380
acatggagat	gcacaagcaa	agtcctttac	tgtattttct	agtgagaggt	acagcatata	58440
tatatataac	aaatatatat	tatatataat	agtgatatata	atatataata	tataataagt	58500
atatattaca	tataatatac	aataagtata	tattatatat	aagtatatat	tatatataag	58560
tatatattat	atattatata	taagtatata	ttatatatta	tatatataat	aagtatatat	58620
tatatataag	tatatatttt	atattatata	tatagtaagt	atatattata	tacatacata	58680

acaaataaat	atatatatat	tcaaataaatt	tgagatggag	tcttgctctg	tttcccaggc	58740
tggagtgcaa	tggcacgata	tcagctcaact	gcaacctctg	cctcccaggt	tcaagcaatt	58800
ctcctgcctc	agcctctcca	gtaactggga	ttagaggcgc	atgctaccac	gcccagcaat	58860
ttttttttgt	atttttagta	gagacgaggt	ttcaccatgt	tagccagggg	ggctctggatc	58920
tcctgacctc	gtgatctacc	caccttggcc	tcccaaagtg	ctgggattat	aggcgtgagc	58980
tgccgtgctg	agccaataca	tctaatatat	taatttttta	atgtatagag	cttttacaga	59040
taaaatattt	taattttaca	taaatgatat	ggtgctgtcc	agtggctctg	aaatgttaac	59100
atacaccatt	attacctgga	aagcttgtgc	aaacagaggt	tgcaggaccc	tgaccctggt	59160
tctgactcat	caggcgtggg	gtggaacctg	gcaatctgta	ttctgtcggg	ttcccaggtg	59220
atgctgttta	ccacactttg	agatgaatgt	gaccatactt	tgagaaccac	tgttgtagtgt	59280
ctattttatac	tgttgacttt	tttcacttac	cacttttttt	atattttatat	atatttttatt	59340
atactttaag	ttctagtgtg	catgtgcaca	acgtgcaggt	ttgttacata	tgtatacatg	59400
tgccatgttg	gtgtgctgca	cccattaact	cgtcattttac	attaggtata	tctcctaattg	59460
ctatgcctcc	cccctcccc	caccccacaa	caggccccag	agtgtgatgt	tccccttctt	59520
gtgtccaagt	gttctcattg	ttcaattccc	acctatgagt	gagaacatgc	ggtgggttgg	59580
ttttttgtcc	ttgcgatagt	ttgctgagaa	tgatggtttc	cagcttcctc	catgtcccta	59640
caaaggacat	gaactcatta	ttttttatgg	ctatgtagta	ttccatgggtg	tatatgtgcc	59700
acattttctt	aatccagttc	atcattgatg	gacatttgga	ttggttccaa	gtcttttgcta	59760
ttgcgaatag	tgccgcaata	aacatatgtg	tgcatgtgtc	tttatagcag	catgacttat	59820
aatccttttg	gtatatatcc	agtaatggga	taagatatat	ccaggttact	actatacgtg	59880
cctctagtgt	attgctttct	gcctgctgta	tagaatttca	cagtatttat	gtatgacact	59940
ttagttttct	cttttgcttg	gtggacacct	agtttacctc	cagttttctt	ctaacatgaa	60000
cactgctatg	atgaacaccc	tcatataaat	ctaccatgat	ttaatgtctc	taggttttat	60060
gaacaaaatc	ggattgccag	gagaaagggg	gtatgcattc	atacttgaac	tgagcattgg	60120
ttgccagatg	gctcttcaga	atggctgtgc	aagtctctat	tctaccagc	agcactgaag	60180
aattcctatt	tcttcacatc	cctccttcca	gaatatgatt	ttatctcata	ttataatact	60240
tgccaatata	atgggtataa	agtagtattc	tactgtttta	attaatgttt	ctctaattac	60300
tgatgaaatt	aagcatctca	tatgccagcc	attcagctct	tgcactcaact	cttaggagtt	60360
tcttatgtga	cctttcagag	atagggttaa	catatacaag	catatttgca	aatctaataga	60420
gaaaatagtg	tacttgtcac	tatacattgc	cctttaagtg	ctgctttatc	tgagtccca	60480
agatttggac	atgtattgct	ttcattatca	ttcagtattt	tatattttaa	gaattctctt	60540
taaccctaaa	ataatgaagt	agtatgtttt	ttctttccag	tcatatggga	tttttttaga	60600
gctagtattt	tgttactgat	tattgatttg	atgtaatttg	attaaagaaa	atgattggaa	60660
taatactcat	tctttgaaat	ttattgagac	tccttgtggg	atagtaacaga	gtagattttt	60720
gtgattttcc	catatattct	tggaaagaac	gtatattctc	tacttgttga	gctattcttt	60780
ataactttga	ctattttttg	ctgcttgaac	tatcagttac	tttcagcatt	gtgtcaaaat	60840
ttccaactac	cattacagtg	tcatgcacat	tttaataagg	agggtaagtt	ctgagaaatg	60900
ggtgcogatt	ttgctgtttg	gaaatcatca	tagagtgtac	ttacataaac	ctaggttggt	60960
tagcctgcta	cacacctagg	ctatatggta	tagcctgttg	ctcccaggtc	acaaacctgt	61020
acagcatgtt	attgtgctga	atactgtagg	cagttgtaac	acaagggtaa	gtattgtgtg	61080
tctaaacata	tctagatgta	gaaaagatac	agtaaaaaaa	aaaagagaaa	aaatggaata	61140
cctgtataaa	gtacttatca	tgaatggatt	gtacaggact	ggaagtttgt	ctgggtgaat	61200
cagtgaatga	tgagtgaatg	tgaaggccta	agacatttgt	gtataactac	agatgcttta	61260
taaaactgt	acaatttgtc	tatactaaat	ttattaaaaa	gtattttttc	ttcttcaata	61320
ataaattagc	cttagcttat	tgtaaacttt	tactttataa	gattttttaat	tttgagctgc	61380
catcttgogt	ccccatgtgt	gtgcacctaa	tctcagctgg	tgggtccacc	gagaccccca	61440
agcaccaccc	ctagcccccc	acgttggccc	cttatcttgt	ctgagaagat	gaaacaaaac	61500
gttatgagcc	aggaaaagct	tgcacaaact	caggacacag	tgggcatttg	tgggaaagaa	61560
atggttcaca	gaaagaagaa	ggcggttcat	agaacagcca	cagcagatga	taaaaaactt	61620
cagttctcct	taaagaagtt	agaggtaaac	aatgtctctg	gtattgaaga	ggtgaatatg	61680
tttacaaaac	aaggaaacgt	gatccacttt	aacagcagag	atgocagcaa	actctttcac	61740
cattacaggc	catgetgaga	caaagcagct	gatggaaatg	ctaccacagc	tcttaaacca	61800

gcttggtgca	cactgtctga	ctagtttaag	gagactggct	gaagctctgc	ccaaacagtc	61860
tgtgaatgga	aaagcaccac	ttgctactgg	agaggatgac	gatgaagttc	cagctcttgt	61920
ggagaatfff	gatgaggctt	ccaagatgga	gaatfffat	gaggcttcca	agaatgaggg	61980
aaactgaatt	gagtcaactt	ctgaagataa	aacttgaaga	agttattggg	agctgctatt	62040
ttatattatg	actgctffff	aagaaatfff	tgtttatgga	tctgataaaa	tctagatctc	62100
taatatffff	aagcccaagc	tccttggaca	ctgcagctct	tttcagtttt	tgtttatata	62160
caattcattc	tttgagctta	attaagctga	agaatcctgg	gaatcaagtt	tgaacaaaag	62220
gttaataaag	ttctttgcct	agtataccaa	aaaaaaaaaa	agatttttaa	tttttttaac	62280
tttttgactc	ttttgtaata	ccacttagct	tacaagtggt	attatgagtg	aatgtgaagg	62340
cctaagactt	atgcagctgt	acaaaaatat	tttttcctta	tattcttatt	ctataagctt	62400
tattaaaacc	tttttttact	tttaaaatft	tttggttaaga	atgaagacac	acacacacac	62460
atgcacgtgc	gcacgcattc	aggcctacag	agggtcagga	tcataaatat	cactgccttt	62520
cacctccaca	tcttgtccca	ctggaaggcc	ttcaggggca	gtaacagtca	tggagctgtc	62580
atgtcgtata	acagtgcctt	ctgctagaat	ccctcctgaa	ggacctgcct	ggggatgttt	62640
tacaatgagc	ctttttcttt	tgtaaataga	aggaacaaac	ttgaaagtaa	ttattaaaag	62700
tatggatatag	taaatacata	aaccagtacc	atftattatt	atcaggtatt	atgtactgta	62760
cataattgta	tgtgctatac	ttttatatga	ctggcagtg	agtaggtttt	tttacctcag	62820
catcaccaca	aacatgtaag	taatgcctgc	atgtagacat	tatgatggct	acatcactag	62880
ggtgtaggaa	tttttcagtt	cattttaatt	ttatgggacc	attgtcctgt	atgtgggtgt	62940
ttgttgacta	tagcagcatt	atgtggtgca	tgaactatatt	gatttatctg	tttctcaaca	63000
taggcctctg	tattagttct	ttttcatgct	gctgataaag	acatacccaa	aattgggaac	63060
aaaaagaggt	ttaattggac	ttaacagatc	cgcattggctg	gggaggcctc	agaatcattg	63120
caggagacaa	aaggcaaaaag	gtactttctta	catggcgggtg	gcaagaatga	ggaagaagca	63180
aaagtggaaa	cccctgataa	acccatcaga	tctcatgaga	ctttttcact	attacaagaa	63240
tagcacagga	aagaccggcc	cccatgattc	agttactgtc	ccctgggtgt	gggaattctg	63300
gtagctacaa	ttcaagttga	gatttggtctg	gggacactgc	caaaccatat	cagcctctca	63360
gtttttgctt	gtgttttgag	gctgtgaaat	atatacagaa	tatttcataa	gtgggtgtata	63420
caattgatta	tcataattca	tgcgtttctgt	atftgtggat	atgcctatgt	ctccttgcta	63480
aaattgattt	gtaaactcaa	aatcaatata	gtgcttttgt	ggtaactggt	agacatgtgg	63540
agagtgatct	actactttga	gtctcccaat	gcacatgttg	ccacctcaga	ccaaataagg	63600
ccacactctc	ccttcttgtt	ttagctctca	tgttttaaac	aagtattctt	ttcatagtct	63660
atftagtgcc	tgaatgcctg	ctataggtaa	ccaatctctt	cagtttcttg	tttatctttc	63720
ctgcattttt	tatgtacaaa	gtagatacat	acatatgaat	ttcatatata	ttcttttatta	63780
tatagagggg	ggcatactac	agctactctt	gtacttttta	ttttttttta	gagacaagag	63840
tctcaactcc	tcacccaggt	tggagtgcag	tggcaagata	atgatcatag	ctcaactacag	63900
cctcaaaaact	ctcgcctcaa	gggactctcc	tgcctcagcc	tcttgaatag	ctgggaactac	63960
aggcaagtga	ccaccacatc	tggctaattt	ttaaatgttt	tgtagagatg	gggtcttggct	64020
gtattgccca	ggtttggctt	aaactcctgg	tctcaagoga	tctcctctgc	ttggcctcct	64080
aaagcaactgg	gattgcattt	gtgagccatt	gtgcccagcc	atactttgct	tttttcatct	64140
aaaaatatat	cttggaatc	actctaaaatc	agtttataga	gatctttctc	atcttctgtgc	64200
tttattgtgt	gagtgcatac	tagcttagcg	tctctctctg	gtatggctcat	ttaggtttgt	64260
cctaataattt	tactattaca	cacatgctac	agccttgtgc	atatttattt	tctgtattgt	64320
ggaagtgtat	cttcagggtta	gattcctaga	agtgggtcaa	aagttaaatg	aatgtgtagt	64380
tttgtcagtt	tggcbaaatt	gtttttttac	tatgcbaatt	atattattat	tattattatt	64440
attgttatta	tttttgggat	ggagtttctc	tccagggtgg	agtgcbaatg	cgttatctctg	64500
gottacttca	acctctacct	cccaggttca	agcgattctt	ctgcctcagc	ctcctgagta	64560
gttgggatta	caggcaacctg	ccaccaggcc	tagcaaatgt	ttgtattttt	agttagagaag	64620
aggtttttacc	atgttgggca	ggctgggtctc	aagctcctga	cttcagggtga	tctgcctgc	64680
tctgcctccc	aaagtgtgtg	gattgcaggc	gtgagccacc	atgcctggcc	tattttcatt	64740
tttgtgtggg	caaattttacc	catcttttat	tttattggct	ctggattttt	agtcattagt	64800
tacacagttc	ttacctacac	caaattttca	cctacaccag	gottaagaag	aactcaactca	64860
tgtttttctc	tagaacttgt	gtggcttttt	ctttttacat	ttagattgct	catctttttg	64920

ttgtttattg	tgctttgtgt	gagatgtgga	tctaacttta	tgtttttttt	tttaaattggc	64980
aaccacttgt	cccagagcca	tttattttaa	agttcatcat	tattactgtg	atttgagatg	65040
ccacctttat	tatttaccaa	atttttgtag	gtacttttat	actatatctg	tagtataaaa	65100
ttccactggg	atgtttatct	acataaggac	cagtaccact	gttttgatta	tagacatttt	65160
atagtatggt	ttaacatctg	gtagggatag	tctgccctca	tagtgtctct	ttttagtgtt	65220
ttcctgggta	ttctttcttg	catgttcatt	tttccatggt	aatttttagt	tcaacttgtc	65280
taactccata	aaatagcttg	tttgtatttt	tcttggaatt	tcatgactta	taagttaaatt	65340
tagggagAAC	tgtaatcttt	tttttttttt	tttttttttt	tttttttgag	acagagtctc	65400
gctctgtcac	ccaggctgga	gtgcagcggt	atgatcttgg	ctcactgcaa	cctctgcctc	65460
ccaggttcca	gtgattcttt	tgccctcagcc	tcccaggcag	ctgggattgc	aggcacttgc	65520
cactacgccc	agctaatttt	tgtattttta	gtgagacggg	gtttcaccat	attggccagg	65580
ctgggtctga	actcctgacc	ttaggtgatc	cacctgcctc	ggcctcccca	agtgcctagta	65640
ttacagggtg	aagccattgt	gcccggctga	gaactgtaat	cttttcatgt	tgattttattc	65700
tatctaagaa	caagggatgt	ctttccatta	tttcatgtct	acttttatgt	cttataggga	65760
catttaaatt	ttttccttgt	atggattttg	cacatttctt	gttaaattta	ttcctgtgtc	65820
tttaggcctc	tttgttgctg	ttacaaatgg	ggattttctc	accgtgatgt	tctgttgatt	65880
ttttctgtat	aaaagggtcta	tttttgtttg	ttgtttttga	gacagagttt	cgctcttggt	65940
gcccagactg	gagtgcagtg	gcatgatctt	ggcttatggc	aacctccgct	tcccgggttc	66000
aagcgattct	catgcctcag	cctcccaggt	agctgggggt	acaggcatgt	gccaccacac	66060
ccagctaatt	ttgtattttt	agtagacgcg	gggtttctcc	attttggtca	gggtagtctc	66120
gaactcccgA	cctccggtga	tctgcccgcc	ttggcctccc	aaagtgctga	gattacagggt	66180
atgagccact	gcacctggcc	ctattttttt	ttttttttaa	gatggagtct	ccctatgttg	66240
cccagggttag	ccttgaactc	ctaggctcaa	gtgagccccc	tgcccttagcc	tcctgagtag	66300
ctggaaccat	atgtgtgccg	ctgtgccccA	gggctattga	ttttgtatgt	taattttata	66360
tcctgctagt	ttactgaatt	attttattat	ttgagttagt	tttatcattg	attttggggg	66420
gttatatctg	caaatagaga	tagttttatt	ttttctttac	ccattcttaa	ccctctaatt	66480
gaggtgtaat	cccattggct	gataccctta	caccagtttt	gaacagtagc	agagatagta	66540
aatattcttg	ccttgttcct	ggtcttagtg	aaaatgccgt	tagtgttttg	gaattaagta	66600
aaatacacggt	tttacgacta	atataatatg	gtgagtggct	gagagagttc	tagatatatta	66660
gatagaacat	gggaacagag	attagagaga	gatttctatg	aaggcttgtc	aaattctagg	66720
gcaataagta	tatcacattc	aaaagggttc	atttttcaat	ttgggagtaa	caatgagata	66780
tgccattaca	gcaagtccatt	tgaattatat	aaattgtggt	tatgcattat	aatggtcaca	66840
aagaaaattt	tatgcttgaa	tttgtcttgt	agtgtgtgct	gtatttatgg	agtttaaaga	66900
ttaatcatcc	caaaacattg	tttctgcttc	ggggaaatca	tgaatgcagg	catcttacag	66960
actatttcac	cttcaaacag	gaatgtaagt	ataatcactc	ctctagaacc	tttttagtta	67020
ccctttaacc	tgtcogaagt	aaatcaaaac	gaaagaaaaa	agaaactaat	agaattttaa	67080
tgcttctctg	cctgttggtta	tttttttcac	ctgcaaagaa	ctaagattct	atcttctaaa	67140
acattttatt	tgaaaataac	ttttgggttc	cccttgtttt	ataaaaataa	taattcggga	67200
tattttgaaa	gcacagagaa	gtctaaagaa	gataaaagtg	tcataaatca	ggttgccagt	67260
agccaagatc	acgccactct	actccagcct	gggcgacaaa	gcaagattcc	atctcaaaaa	67320
ataaaaataa	ataaaaagtg	ccataatcat	gccacttaga	ggtaatccct	gttatccacc	67380
tattttgaaat	atgggtcttcc	attctttttt	attattatga	aatagtccag	gtatacatat	67440
atctgtatat	atttttacaaa	taaaattggg	ctcatatgta	ctgttttaata	cattttctgtt	67500
tcacctaatg	tagtagcatt	ttttccatat	cattaagtat	ttttgacaa	atggtttgta	67560
agtgttattt	tagttttttt	aaagtattcc	atcttacgaa	cacacaatca	tatatgtagc	67620
caatttagta	acaatcatag	gatatttagg	ttgtttctaa	ctgtgactac	tgctgtaata	67680
gtaaaaataa	gtttaatata	aaagtagaat	tattggccgg	gtgcgggtgg	tcacgcctgc	67740
aatcccagca	ctttggggag	ccaaggcagg	tggaacacaa	ggtcaggagt	tcgaagaccag	67800
cctggccaac	atgatgaaac	ccctgtctct	actcaaaata	caaaaattag	ccgggtgtgg	67860
tcgtgcgtgc	ctgtaatccc	agctaactcag	gacgtcgagg	caggagaaatg	gcttgaaccc	67920
gggagatgga	ggttggtggt	agatccctgcc	actgtaactcc	agcctgggca	acagagccag	67980
actccgactc	aaaaaaaaaa	gaaatagaat	tattttgaaa	gtcaaaaacag	gccgggcggc	68040

gtggctcacg	cctgtaatcc	cagcactttg	ggaggccgag	gcgggtggat	catgagggtca	68100
ggagatcgag	accatcctgg	ctaacaaggt	gaaaccccg	ctctactaaa	aatacaaaaa	68160
attagccggg	cgcggtggcg	ggcgctgtga	gtcccagcta	ctcgggaggg	tgaggcagga	68220
gaatggcgtg	aaccggggaa	gcggagcttg	cagtgaagcg	agattgcgcc	actgcagtc	68280
gcagtcgggc	ctgggcaaca	gagcaagact	ccgtctcaaa	aaaaaaaaga	aaaaaaaag	68340
aaagtcaaaa	cattactagc	tgattttaaa	aaacagataa	catggtggga	ggctgaggct	68400
agacgatccc	ttcagcccag	gagttctaca	ccagccttgg	caatacagcg	agactccatc	68460
tcaaaaaaac	aaactcgtag	atttccttga	ctagcatcta	gtactcataa	ttggctgctc	68520
actaacaac	agtatgatgc	tgactatggt	ggggatgttt	gggagatcct	gccccagggc	68580
atttgcattt	ttagttcttc	ttttcccaga	tctctatctg	cgtataagac	atacattcta	68640
tttcattcat	gtcattttatt	cogagatttt	ctcctctagt	tgcttttcta	aatcataatc	68700
tcattcattt	accctcatac	cctgttttctt	ttcatagtgt	ttatcaacac	ctgagattta	68760
tgtgtattta	tttgttgact	gtctttctct	gccaccagaa	tgtaagctcc	atgctagcag	68820
gggtgtgttt	tgttcactgt	tgttttcccc	aacaccacaa	acagtattag	ttgtctatag	68880
aagttgctta	gtaaatattg	gttgagttca	tttgaatgaa	tgagcatctg	tgatttgtat	68940
gtttagaaca	cactcttgaa	aaagaatttc	tgggttaggg	ggcaggcaca	ttttaaagac	69000
ttttggcata	ctctaaagta	gtcttccaga	aaatatgtat	attgggttat	acgccaaaaa	69060
aattttttat	ttttgtgatg	aaagtactga	aataaaagca	aaattttacc	tgttttgact	69120
tctaaaattt	tagcatattc	tctataaaat	aagggaagcta	aactaaatat	cttgggtccc	69180
atctggctct	aaaatctacc	ccttttaacg	aatcctgaat	atataaatat	actttagtgt	69240
tcatatgggt	gatattttga	tcatggattt	cattttgtat	ccagattttt	ctgcagatta	69300
ttatcttaga	aaaatatatt	ataaaatatt	taaactttta	ttccaaaaat	aattttcaaa	69360
gttaaaaaaa	cttttacatt	tgttttcaga	gactcaaagt	ttattaatct	gccacagatc	69420
cctttactga	taggttagatt	gctattttata	gtgtttcata	tgctcatatg	aattcttgct	69480
accagtatct	tcttacattg	gagatagtag	ttgtaatgaa	aacatccctc	ctagtagagc	69540
ctcaaagaaa	aggtctttgt	tattaaaaga	aatttttagag	gataatcact	tcttaaaaaag	69600
tccctctgtc	aaaagtcagc	tgcaagaggg	caagatacaa	atccttccag	cccttggtga	69660
cttactggaa	taaacacttt	aaatcagcag	ctaattacca	ggaagtttta	aatctactgt	69720
tggtggatgt	ttaaattggg	gtaagttgag	catggtggct	catgcctgta	atcccagtac	69780
ttttggaggc	tcagggtgagt	ggatcacttg	agcccaagag	ttcaagacca	gcctgggtcaa	69840
catgttgaaa	tcccatctct	acaaaaataa	acacaaaaaa	ttagctgtgc	atagaggcac	69900
ttacctatag	tccagctac	tcaggaggct	gattgagggtg	ggaggatcac	ctgagctcag	69960
gagtttggtg	ctatagttag	ttgtgatcac	cactacactc	cagcctggga	gacatagtga	70020
gaccctgtct	caacaacaac	aacaacaaca	acaaagatgt	gaggtatttg	aagagcaatt	70080
ttgtaatata	tttataaaat	ttaagtgcac	gtccccttga	tctagcaatt	tcatttgtag	70140
gaatttatta	tgagatttgt	gttacttttt	aaatgctgca	taaaaaatta	tcacaaattt	70200
agtggctaaa	agaacacat	ttattatctc	atagttattg	taggtcagaa	gtccaggcca	70260
cagtgtggct	agattctctg	tataggatct	cactgaaatc	aaggtgttgc	caggggttca	70320
gttctcatct	ggggcttagg	gtctttatcc	aaggtcactt	gtgggcagtc	cttgtaactg	70380
taggattaag	gtccctgttg	tctgttagt	tgttgaccag	ggatgactct	tagcttccag	70440
atactgcttg	cagttcggta	acatgtcgcc	accagtggtg	gttcccaata	tjaatgtttg	70500
cttttttcca	ggccagcctg	aatgcacctc	tctgaccttc	tcttctgtga	tcagctagct	70560
ggaaaaaaac	cctcactcag	tttttaaaag	gtccacctta	ggtcaggcat	ggtggctcat	70620
gcctgtaatt	tcagcacttt	gggatgccaa	aggggagagg	atcacttgag	gccaggagtt	70680
caagaccagc	ctgggcaaca	tagtgagacc	tctctctctg	caaaaagaaa	atttaaaaaa	70740
tagaattcag	tcagcctgca	tggtggtaca	agcctgtagt	cccgccagct	taagaagctg	70800
agactgaagg	atagattgag	cctgggtgtt	tgagattaca	gtgggctatg	attgtgccc	70860
tgcaactctag	cctgggtgac	agagtgagac	cctgtcccta	aaaataaata	aataagtaaa	70920
taaatgttca	cctgattaga	tcaggccctc	ccaagataat	ctttcttttg	ccatataatg	70980
ggacaaaaata	atgggagctc	catcatactt	acagttttca	tccactgaaa	gaggagtggg	71040
ttatacatat	aaagatgtag	gtcaatgcag	gtcatttttag	aattcgtcta	ccacacagat	71100
atactcacia	aaagatagta	aaatatggat	gcttaaggat	gttcaactgca	gtgttaattg	71160

taacaacaac	aacaacaaca	aaaaggtaat	ctaaatgtca	acaagacagt	gatgaaataa	71220
gtgataatat	gcttttgaac	aatggaatgc	taggcagcta	ttgaaagacc	aaggtggccg	71280
ggtgcagtgg	ctcatgctca	taatcctaca	ctttgggagg	ccgagatggg	ggcattgctt	71340
gagcccagga	gttcgagact	aacatgggca	acacagtagt	aagactctct	ctctacaaaa	71400
aattttaaaa	ttagctgagt	gtggtggcat	gtgcctatag	ttgcagctac	ttgggaggct	71460
gaggcaggag	gattgcatga	gcccgaggaat	tcaaggctgc	agtcagctat	gatcaccaca	71520
ctccagcctg	ggtgacagag	caagactctg	tctccaaaaa	caaaagacag	gcagaccaag	71580
gtagacccat	aatatgtact	gatatggaga	gatgctaaga	tattttataa	ggcatttgca	71640
gagcatgtaa	atggtcactc	cctttgtaaa	ttaaaaatat	ataatgtaca	gaagaaatca	71700
ttaacagtgg	gaggttgggt	taggaggact	tagagggttt	ttttgttttg	ttttgttttt	71760
gtttttgttt	ttttagatgc	agtgttgaca	tggtgcccag	gctaactctca	aaactcatgca	71820
atcctccagc	cttagccctc	taaatagctg	ggactataag	tgcatgccat	cgcgcatggc	71880
ttacttttaa	ttttatatcc	tctctagtat	tgtttgaatt	attttttacc	accactatgt	71940
actactttta	taattattat	tatttttcaa	attggttaatt	taaaaattac	ccagttgggg	72000
cccaagcatt	tgaaaagcct	tgtaagcacc	caaggtagtt	cagctgtgtg	ctgctgggta	72060
agaacgacgg	ctctggagtc	tttaggaagc	ttctactatc	tgctgtttgg	gaaccacttc	72120
accaaataca	aaaatgggaa	atattttatt	ttatattatt	tttctaaacc	aaattttagg	72180
gtattcctta	acaccttcac	ttcttacctg	ggaaaattaa	ataatgtgta	taagttaaca	72240
aatgccctgg	aatgtaatac	tgcataaaag	ctaattttat	gaattaggag	tagatacgta	72300
gtgaagaaa	ctgcctatgg	ctgcctttgt	tttgaattaa	gtttcagagg	gttttttagg	72360
tgacattttt	cttaattatt	cttttgtctt	atcagatttt	ttttattttt	aatttttatg	72420
ggtatatagt	aggtgtatct	atttatggaa	tacatgagat	attttgatac	agggatgcaa	72480
tgtgtaataa	taacatcagg	gatttttttg	acagactatt	tttagaagat	ggaacaatag	72540
gtcctggaaa	cattttaagt	atctcctttt	gcccagaatt	tcttacctta	ggtttttatt	72600
tgcttttcac	atgatttaac	tgtagttaaa	cctgatggct	ttctttttct	cctatctacc	72660
aagatattec	ttctttttta	ttataatgct	gcactctgaaa	tgtaaataaa	tottggaaca	72720
agcacacaga	ttcaagtata	agtttaaaat	tttattcttg	tataaggaga	gagcatgtgt	72780
gttgcctctg	atgggtgttt	ttactgataa	gctgatctct	cttcagtggc	cactgtggct	72840
tttagaacta	gcactttatc	attaataagg	gaggcttagt	ttcagattgt	gcagctgtaa	72900
tcttgttcat	gtttttaaga	gggaggtggg	tgaaggcttt	tcttgatatca	atcttaaaat	72960
gctttataat	gcagagattt	tttaaaaaat	attcctttct	ttatggaaaa	gtaataatgt	73020
ttttttttta	attgatgtat	aatagttgta	cgtatttttg	aggtacatgt	gatattttta	73080
ctatatgtat	acaatgtata	attattatca	agtcagggtta	actgcagtat	ccatcgcttc	73140
aaacatttat	tttttctttg	tctaacagtt	aaacaaaatt	tattttttta	agagacaggg	73200
tctcattctg	ttgtccaggc	ttgagtacaa	ttgtgtaatc	atagctcact	gcaactttga	73260
actcctgggc	tttaagtgatt	ctcttgcttc	agcttcccca	gtagctggga	ctgtagggtg	73320
gtgcacccat	gcttggtata	tttttaaaat	ttttgtagag	actgagtctc	gacctatgtg	73380
ccaaggctga	aacttgaactc	cccaaaggat	ccttcgcctc	tagcctccca	gagtgtgtag	73440
attacagatg	tgagctgcca	tgccatgccc	ctaacagtta	atttttgaca	tatcatttgt	73500
ttttgcaaaa	atattttcttc	attgttatgt	aacttagaaag	caagaaaacat	agtgcctgcc	73560
tccctccctc	cttccctccc	tccctccctc	cctccctctc	ttccttccct	cctgtttgtc	73620
ctgttcccta	ggttggaaca	cactggtaaa	atcattgctt	actacagcct	caacctccca	73680
ggctcaagtg	gtccctacac	ctcagcctcc	tgagttagctg	ggactacagg	cacgagctct	73740
catgcccagc	ctatttttat	gtttttatgt	atttatttat	ttattttctt	tgaagggaac	73800
tctgttttat	attattccac	aaataactctg	ggtgcaacct	catagctctg	gatcagagtt	73860
tctaaagtaa	atgaattttc	tatttccacg	aacctatttt	tttttttttt	ttttttgata	73920
gggagtctcg	cttctgcacc	caggctggag	tgcagtggca	caatctcggc	tcaactgcaac	73980
ctccgctccc	caagttccaa	tgattctctc	gcttcagcct	cctgagtagc	tgggattaca	74040
ggcacgcacc	accacgcctg	gctaattttt	atatttttag	tagagacagg	gttttactat	74100
gttggtcagg	ctggctccaa	actcctgacc	tctgtatcca	cctgcctcgg	cctcccaaa	74160
tgctgggatt	acaggcgtga	gcacccatgc	cctgcctctc	catgaacct	ttttttaaat	74220
gtatagttaa	atagcttact	gacaagttcc	agaaactcct	gtaattttac	taatgaaagc	74280

agtattgtta	tgacaactgg	atTTTTTaaa	aaaataaata	ctgtttgtca	ttgctcattg	74340
cagcattttt	tagagtagca	aaagattgat	ctaattagat	tgtggtatat	ccataaagcg	74400
aaatactagg	taaatgttaa	aaaaattaca	aagctctcct	gtaggggagg	caaaatttta	74460
cctttactct	caggggtttt	cagctgggcc	tgagaattaa	attgacatga	gataaattaa	74520
taggagaaga	gcatataaat	ttattttaata	taagttctac	atgacatagg	agccgctata	74580
aggaaatgaa	gatccagaga	ctcagagttg	aacacttaca	tgctgaatcg	gacaaaaagt	74640
agtaagtgtg	gaaaaagtaa	ctaaatgatg	tgaggaggct	agaagataag	agttatttga	74700
attcagtctc	aactattaat	ccttggtgat	aacaatgtta	ttttccttct	agtacaggga	74760
gggcattctt	tctttttttt	ttttaacttt	tatttttaggt	tcaggggtac	atgtgcagggt	74820
ttgttatata	ggcaaaacttg	tgtcataggg	gtttgctata	cagattattt	tgtcaccagg	74880
gcactaagcc	tagtaccagg	tagttatttt	ttctgacctc	ctccctcctc	ctaccctcca	74940
tttttaagta	agtctcagtg	tctgttggtc	tgggagggca	tctttcaaata	gggaatttca	75000
tctcctgctt	ttaaaaagca	gcatgagcca	ggcactgtgg	cacgtgcctg	taatcacagc	75060
tacttgggag	gctgaagtgg	gaagatcgct	tgagcccaag	agtttgagac	catcctgggc	75120
atgtaacaag	accccatctt	aaaaaaaaag	aagaaacagc	atgaaggcca	gagtgatctt	75180
cttgtagctg	tggtttttca	agtgccttta	actcaaagtt	gtcagtgtgc	cagagtgggtg	75240
tattttgggg	tggcatattc	ttaactccac	tcttcactcg	aagatgtggc	atgatagcca	75300
aaatacgttc	ttaagtacga	aaagcaagta	aagaacagta	catatatgct	atcatttatg	75360
taaaaaccaa	aaggatgttt	tggaaaagaga	agaaacatat	atgtctgcat	gtgtatgcat	75420
agaacatctt	tgtaaagaca	cccaggaaac	tggtaatat	ggttacctgc	agagagaggg	75480
caggaggcac	attataccct	tttggtggctt	ctaaaatttg	agctatgttg	gggccaggga	75540
cagtggctca	cgcctgtaat	cccagcactt	tgggaggccg	aggcgggcag	atcacaaggc	75600
caggagattg	agaccatcct	ggcgaacaca	gtgaaacccc	gtctctacta	aaaataaaaa	75660
aaaattagcc	gggtgtgggtg	gtgggtgcct	gtagtcccg	ctactcggga	ggctgaggct	75720
ggaggatggt	gtgatcccg	gaggcggagc	ttgcagttag	ccgagattgt	gccactgcac	75780
tccagtctct	caaataaata	aattaattaa	ttaattaatt	aaattaaata	aataaaaaat	75840
aaaaaatttg	agctatgtct	cacgcctgta	atcccagcac	attgggaggc	tgaggtggga	75900
ggatctcttg	aggccaggag	ttctaggttg	cagtaagcta	tgataatgcc	actgcattcc	75960
agcctgggtg	acagaatgag	accctgtctc	aaacaataat	aataaaaaat	aaataaagca	76020
aataaaaaatt	gaaacaaata	tatcatcagt	gactagacca	gattgtgatt	tcttgcaagt	76080
agtgtctgact	ctcaaaattg	ctttcagata	attttgttga	aaattttgtt	ttgttaatgt	76140
tgtattattg	atactagtta	gaacttgtat	cagtgtcatc	ctgtggctgt	aatgcatttt	76200
cccttcacta	tagaaataac	tgttttatgg	gatatacct	aaaatttgtc	ttgaaaataa	76260
agcaattgaa	tcagctaatt	taacctctgg	gaattatgta	tttggtattt	tagattctcc	76320
tattcaaaat	cttattttaa	aataatgatt	aggaggaata	ttagagggtc	attaagagca	76380
tgaacagggt	taagtctcag	ttctgccagt	tacttgcttg	cagctttggg	caggtaagcc	76440
taatttcctc	agttttttaa	tgaagacagt	aataatacct	acttcacagg	gtctctgtga	76500
gtattaaata	ctttcatcag	ttaacacagt	atgtactaag	tgccagcatt	attctgcata	76560
ttttacataa	atgaattcat	ttaatcctca	cagcaaccct	gaatctactg	tttaggggtg	76620
tattattatt	atgaccatag	ataaggaaac	caaggcacag	agagttaaaa	tttttatoca	76680
aggtcccata	gctagtatgt	ggagggggct	gcagtctctc	aaatcaggca	acaagttooa	76740
gactccattc	tcttcaccac	catgccatgc	caaatgctta	actcactgac	agacacatca	76800
tgagccttca	atacatttaa	ataataaagg	taatataagg	caggtaacaag	tgcagtacct	76860
catgcctgta	atcccagcac	tttgggaggg	tggggcagga	ggattgcttg	aggccaggaa	76920
ttgaagacca	acctgggcag	catatcgaga	ccctgtctct	acaagtaatt	tttaaaaaat	76980
agctgggtgt	ggtggtgtgc	gcttgtagtc	ccagctactt	agaagattag	acaggaggac	77040
cacttgatcc	taggagcttg	aggttacagt	gagctatgat	tgcactactg	cactccagcc	77100
taggcaacag	taagatccctg	tctctaaaaa	aattttttta	aaaggtggta	taataataaaa	77160
tgttattata	taaagattac	atattcatca	taaaaaagaa	agaacagcta	aactaagaaa	77220
aatatagata	ccattgtcag	tctaaccctc	cagaaaatta	aatactggta	attatatatg	77280
caattcatat	actttgaaaa	aataaacatg	gtgatatttc	atagcctatt	ttattcacat	77340
attaatataa	catgaacttc	tttttgctta	atttttgacc	tcctgtttta	atttacaaaa	77400

tgacaataca	cttccttact	tgtccagact	tggcattctt	ttttggaagt	aggctaagga	77460
attattttga	gtcattcttg	ggattgaaag	gcatttatca	atgtaagatg	ttatggagca	77520
taaattaata	agtaattgaa	attcctacct	ctattcaagt	gtggaactcc	catggaggaa	77580
ttccttactg	acactggcaa	cagagggaac	tctggttcc	aggattttca	ggagaaaaag	77640
tcaatcactg	accacaaatt	aaagagtttt	ctgtttgttt	tttacttcca	acagacttta	77700
tggccaatgc	tggatctact	ttgaaatggg	caaaatttaa	aacaaagcag	agtataagga	77760
tgtaactgta	aggagaggca	atgatgcata	agacatgggt	cttgtgaact	ttgagctcct	77820
aataaagtta	gcataatgtt	tggaaatagat	tatgctgact	gctacaacag	caatacaaaa	77880
tgtttctgaaa	acctcaaaga	aaccacacagg	ctcccttaat	gaactcaaac	cctaatacacc	77940
cagtattggc	gttaaagaga	aatcttcaca	ctcagggatg	gaaggcctta	caacctcaag	78000
cgtggtctac	tggtttacac	tttccttagg	gatctctctc	ttaatcattc	ctgccaccca	78060
tatagtactg	cagtctggcc	caaactctgga	cccatcattc	ttcactttat	tccccaaaaa	78120
cttgccagga	ccaggctctg	atccttaaat	atgtctttct	aaaggcttag	agatcacaaa	78180
aaggaaataa	acacagaaat	aattaccaac	tagatagtct	gactcactcg	atacagcttt	78240
ggtctctttg	tctgttaggc	cacctcatct	tcccagaatc	ctggaagagg	agaaggagct	78300
cacggttctg	cagggttgcc	tgactatatt	tctcgtcttc	tctaccacaa	cacatccctg	78360
agcacagctt	gactttttga	aaccaaggcc	aaggaagaag	aaaatgttcc	tttttctctt	78420
taaacaccca	ttttccagtt	tcccacctat	tatttcatga	cttttccctt	ccagagattt	78480
gtagagactc	ctccttccac	ccactgatgt	atttccctat	tctgtagccc	caagttgaca	78540
gccacatcaa	aatataattt	attaagccaa	acatttatatt	tttattgttt	agagacagag	78600
gctcactctg	ttgctcaggc	tggagtgcag	tgacactatc	gtagttcact	gcagcctcaa	78660
actcctgggc	tcaatctatc	ctcccacctc	agcctcccaa	gtagcttgga	cagcaggtgt	78720
gtgccaccac	agccagctaa	ttttgttttt	caattttctg	taaaaacgag	gccttgggcca	78780
ggcgcagtg	ctcacgcctg	taatcccagc	actttgggag	gccaaggcag	gcggatttgc	78840
gggtcaggag	tttgagacca	gcctggccaa	catggtgaaa	ccccgtccct	actaaaaata	78900
caaaaattag	ccgggcgtgg	tggcgtgtgc	ctgtagtccc	agctacttgg	gaggtctgag	78960
cagaagaatt	gcaagaaccc	ggaaggcaga	gctgcagtga	gctaagatcc	cgctactgca	79020
ctccagcctg	ggggacagag	caagactccg	tctcaaaaaa	aaaaaaaaaa	aaagaggcct	79080
cactgtgttg	cccaggctgg	tctcaaaactc	ctggcctcaa	gcaatccccc	gacctcagcc	79140
ttccaaaaca	ttgggattac	aggcgtgagc	caccacacca	gtttaagcca	aatgttttta	79200
gagaaaatag	aatcaagaca	taattttgtt	acagacctta	aaaattatga	gcaaaaaaat	79260
tattgacatt	ttattgatgt	ctcttaagac	tccagtttcc	acttatatat	cttcaacacc	79320
cctaagagat	ctttaagacc	caataaaaata	ttcagactca	caagactacc	atggacctta	79380
gttgtcatcc	atatacttaa	aaggatatag	gtcaggaagg	gcagcactgg	gcattccttt	79440
tcagtggagt	ggtcctcaca	ggagtgcata	ccgcagtcca	gcagctttcc	atctctcttg	79500
ccccctccca	tcttctcacc	agctcaggta	caaggaaata	tccacagtgg	gaagatttag	79560
gagccatcct	ggtatagaag	cctcgtgcat	caaaaatgtc	aatgtgtgtt	gtaaaaactac	79620
cttcagagga	gccc aaagct	atagcttccc	accaggtaac	tgggtaattt	ttaccacaag	79680
ccatgttgcc	taataacaca	gtggacagtc	accttatcac	atttccaagc	aacagagctg	79740
gaaagttaat	ccaaggctcac	acttgtcttt	aagaggagag	aggtatttgt	aacctattat	79800
ccacaacttt	tcaaaagtat	ctttacaaaag	ataatttgtc	tttcaaatca	tctaaaaata	79860
atggctctaa	agtagcttca	tattctcctg	gcctatatcc	tttttcaaat	gtgatacgtt	79920
ttagttcttc	cattgactgg	ttttcctttt	ttgttaggtc	gaatcaataa	ttcggaaacag	79980
gtgtatgatg	cctgtatgga	gacatttgac	tgtcttcttc	ttgctgcccc	cttaaaacag	80040
cagttttctc	gtgtacatgg	aggaatgtca	cctgaaatta	cttctttaga	tgacatttag	80100
aaagtaagta	atcttttatt	attctcaccag	ggaatatttt	taaaatgtgt	tgggtttttt	80160
tgtttgtgtt	gtttgttttg	agacagagtc	tctctctttc	acccgggctg	aagtacagtg	80220
gtgotatctc	agctcactgc	aacctccggc	tccctgggtc	agcctcccca	gtagctggat	80280
acaggtgcac	accaccacac	ctggtctaatt	tttgtatttt	tagtagagac	gggttttccac	80340
catgtttggc	aggctgtgtc	tgaactcctg	acctcaactg	atctgcccac	tttggcctcc	80400
caaagtgtct	ggattacagg	tgtgagccac	cgcagcctg	gcctaaaatt	tgtttcttat	80460
tgcagtcaac	caatatatct	ttagctgaaa	tctttaaaaa	atagataatg	aaaagtaaga	80520

aaatggaagt	tacctctgat	ttcatcacta	taactactgt	taacattttg	atatgtacct	80580
accacaaatt	ataattttta	atgagctcta	tgttttttacc	aactagaaaag	ctaacattct	80640
tgtagtatag	tcctgaaact	ttgaattata	tcgcagtgc	aaaggaagga	aaccagggtt	80700
ctaatacag	tcctgccatt	aactgtgtaa	ccttaaccaa	gttattgaac	ctcttagtca	80760
catttcttct	ctatgaaatg	aggaagttgg	aagggatgg	ctgaggacac	tgccagctcc	80820
gaaatgcatt	ggctttgaca	ttttagatga	taacggtttc	attgttttac	ttgccttcc	80880
tggtgattat	tatttccaag	attctgtatc	ttcattatgg	aaaaagatga	ccaattttta	80940
ttgtacatgg	ttgtcttata	ttctctacct	ttgaattctt	ctacctgtct	ctctgtcttt	81000
tttaatcaaa	gtgatagata	ctcatcctct	cttacaggta	ctgagactaa	aaatttttct	81060
gtttataaaa	ctattttctc	tgaagaaagt	ctctcagggt	taagagggtg	tacctatatg	81120
tactggcttt	cctcttgcc	tactgtcttt	taagtaacca	gcatttctct	ttacatag	81180
aaaatatgaa	ttttataatt	ctgaatcaat	tgtatcaata	aaaagctctt	tcacgcagta	81240
gaaattctct	tcttgccatt	cagctattct	attacttgtt	ttctcttgg	ttttatgct	81300
tcaactaaa	cagcagtgac	taaaggctta	agttaataac	tcatattgaa	atacctcaac	81360
tgcatagact	ggaaaggata	aatgccctta	caaaattagc	attcttttaa	ataaagaaat	81420
ctccactgga	atgaggtttg	caatgaacag	aaccattgta	aaacatttct	gctgtcatgg	81480
taacattggc	tcacctagac	aaataaaaatt	aattttatat	agtcatagtc	tttctaaaa	81540
agtatatctc	tatagtgggt	gatttcacat	ttgaattaaa	ttagcaactgc	tttacgatta	81600
ggatgtaaga	gggtctttta	ctacagtatg	gttagatgac	agggatgttt	ataaaaaatt	81660
attgcagacc	gggcgcgggtg	gttcacgcct	gtaatcccag	cactttggga	ggccgaggag	81720
ggcggatcac	ctgaggtcag	gagttcgaga	ccagcctgac	caacatggag	aaaccccatc	81780
tctactaaaa	atacaaaaatt	agccgggtgt	ggtggcacat	gcctgtaatc	ccagctaact	81840
gggagggtga	ggcaggagaa	tcgcttgaac	ctgggaggcg	gagtttgccg	tgagccgaga	81900
tcgtgccatt	gcactccagc	ctgggcaata	agaacgaaac	tcgctctcaa	aaaaaaaaaa	81960
aattttatttc	agaaaaataa	taaaaattat	gtatctaaaa	ttgttaagt	ttccttttct	82020
tgcaaggaaa	tccttttaggg	gcacactggc	ttctctctta	atacattctt	gtgggtgaaa	82080
ggggtttttc	tttgacacat	actagtttcc	aagaagcctt	ttgctctctt	gatttttttc	82140
ttttggcttt	tgtgtgtctt	ctagtttagac	aggttttacgg	aacctcccg	ctttggacct	82200
gtgtgtgacc	tgctttgggtc	tgatccctca	gaggattatg	gcaatgagaa	gaccttggag	82260
cactatcccc	acaacactgt	ccgagggtgc	tcttatttct	acaggtaagc	tagtccctga	82320
ggtcgaaaat	tatgaaagga	aactgttaatt	catttttatca	gatgattttt	cagcatttta	82380
tattttcaaat	ctatgtagta	taagcactcc	tgtttaattt	ttcgattaat	aggaggcaag	82440
aaacttggtt	gtttgttggc	tttttatatt	ttcttaggta	tatatcttaa	gaagtgtaat	82500
acaccaaaaca	tgattggaca	tcctgcagt	ctctgatatt	tttgtctgac	tctaagtgtat	82560
ctagactatt	tgttcctaaa	cattatctat	acactttttt	aaaaaaaaatt	aaagctttct	82620
tggtcttttc	cccagagatt	ctaatacaact	aggtctgaga	ggaatcttat	tgtattttta	82680
aaagctctcc	aaattttgt	accactagta	tagactaaga	tataaaaaaga	acaggacatt	82740
gtgaactaag	cccagtaacat	ttcctggaag	ttggctgttg	ttttaaattt	cacaggagct	82800
ttcattatga	ttagacaactc	aaaaatagga	agacaggcag	ggcgtggtgg	ctcacgccta	82860
taatcccagc	tctttgggg	gcctagggcg	gggatcaact	taaggccagg	agttcgagac	82920
cagcctggcc	aacatggcaa	aaccccatct	ctgctaaaaa	taaaaaaatt	agccagatgt	82980
gggtggcaaca	cgccgtgta	ccagctaat	tggtgagact	caggcaagag	aatcaactga	83040
acctgggagg	tgtaggttgc	agtgagccaa	gattgtgcca	ctacacacca	acctgtgcaa	83100
cagagcaaga	ctctgtctcc	aaaaaaaaaa	aaaaaaaaaa	aaaggaagac	ataagagaag	83160
ttggaaaatct	aaattatttt	taatcccagt	attttattgt	ggcaataaat	acatatgttt	83220
atttccctaa	aaatctctgt	taattggcta	agataatgtg	ttcattagaa	tacacacatg	83280
cacacacaca	tgaactttg	atttcgocat	tacttttagc	attcttttaa	acaacctttt	83340
tttcttttaa	aaaatatttt	ttaaaatttt	tgtgggtaca	tagtaggtat	atatatttat	83400
gggttatatg	agatatattt	atatagtcac	acaatgtata	ataatcacat	caaggtaaat	83460
gagttatcca	tcacctcaag	catttatctt	ttgtgttaca	aaacaatcaa	ttattactct	83520
tttattttatt	ttattttttg	ttgttttttt	tttcaccttt	tttttttttt	ttcctttttt	83580
gagacggagt	cttgcctcgg	cacccaggct	ggtgtgatct	cagctcaccc	cactctccac	83640

ttcccaggtt	caagcaattc	tcttgccctca	gcctcctgag	tactggggatt	acaggcacct	83700
accaccatgc	ctggctaatt	tttgtgtttt	ttagagatgg	ggtttcacca	tggtggccag	83760
gctagtttgg	aactcctaac	ctcaagtgat	ccaccacact	cagcctccca	aagtgtctggg	83820
attacaggca	tgagccactg	tgcccgccct	cttctagtta	ttttaaaatt	tacaattaaa	83880
ttattattca	ctatagtcac	cctgttgttt	aaatctcaca	gtatcaaata	ctaggtctta	83940
ttcattcttt	ctgactgttt	ttttcgacce	attaactatc	ccatttcccc	tcttactacc	84000
cttcccagcc	tctggtaacc	atcattctac	tctcatctcc	atgagttcag	ttgttttaaat	84060
tttttagctcc	tacaaataag	tgagaacgtg	tgaagtttgt	cttcctgtgc	ctggccttatt	84120
tcagttaaca	taatgacctc	cagttccatt	catgttgttg	caaatgacag	gatctcattc	84180
ttttcaatgg	ctgaataata	ttccactgtg	tatatgtacc	acattttctt	tgctctttca	84240
tctgttaata	gacacttagg	ttgcttccaa	atcttggcta	ttgtgaacag	tgctgcaata	84300
aacatgaaag	tgagatgtc	tcttcaatat	actgatttcc	tttcttttat	atacatacat	84360
agtagtgaga	ttgctgaatt	acatggtagt	tctgttttta	gtttttttga	ggaactccaa	84420
actgttctcc	atagtagtgt	actaaacatt	cccaccaata	ggatatgagg	gttccctttt	84480
ctcgacatcc	tcaccagcat	ttgtcattgc	ctgtcttttg	gataaaagtc	atttttaactg	84540
ggtgagatga	tatctcattg	aagttttgat	ttgcattttct	ctgatgatcg	gtgatattga	84600
ataccttttc	atatacctgt	ttgccatttt	atgtctcctt	ttaagaaatg	tctattcaga	84660
tattttgtct	attttttaaat	tggattattg	gatttttctt	attgaattgt	ttgagctcct	84720
tacatattct	ggttattaat	ctcttgtcag	atggatagta	aaaagtcttt	ttttctttct	84780
tcttcattta	ttttatttta	tttatatttt	attttatttt	gagacaaggt	ctctctttgt	84840
taccggggct	ggagtgcagt	ggcaccataa	cagctcata	cagcctcaac	cttctggact	84900
caagcagtc	tcttgccctca	gcctcctgag	tagctggaac	tatgggcatg	tgccaccatg	84960
cccagctgct	ttttttattt	tctgtagaaa	caaggtcttg	gctgttttgc	ccaggctggg	85020
cttgaagtc	tagactcaag	tgaccctccc	tacttggcct	cccaaagtgc	tgggattaca	85080
gggatgagcc	ccaccagcc	aacaaccatt	tttcatctct	ccatgccaac	ttttccagtg	85140
actaatgtga	tgaaatcatt	taacttttat	ttctttttac	attgcttaaa	ataaagagca	85200
taatacatat	tcattgttgt	cagaatagaa	attggtacaa	tttctgtgga	catcaacttg	85260
gcaatatctt	tcaaaggtat	ttgtacatgg	cctttgatcc	agaaattcta	cttctaaaaac	85320
ttaatcctgt	agatatataa	ttgattctca	ttacttgtgg	atttcataatt	tgtgaattcc	85380
cccacttact	aagatgtatt	tgtaacaccc	aaatcagtac	ttacagaggt	ttcataatca	85440
ttcatgggaa	tgtagtgtgc	aatgcaacaa	aaaatttgag	tcacctcact	cacatgttcc	85500
tagctgaggt	tgaacaaaat	gatgccctac	cttctttttg	cagccctcat	attgtaaaaca	85560
ggcattcttt	tgagttttat	ttagtgaag	atgttttatg	tttttgtgct	tttcatgagt	85620
gatttcaactg	tttagaatgg	ccaccaagtg	tagtgtgaa	gtgctgctgt	ctagggctcc	85680
taagcacaaa	aaggctgtgg	tatgtcttac	agagaaaata	tgcgagtgtt	agatataagc	85740
tttgttttagg	catgagttat	ggtgggtttg	gccatgagtt	caatgttaat	gaatcaacag	85800
tgtaaatgac	ctaaagtatt	attacacaga	aacacatctg	aaacaagggt	atatattaat	85860
tgggtgggtga	aaatgttatg	acgggagcct	cacagggaat	tcacctgtga	tttcccttag	85920
cagtagtggt	tcattatttg	ctaattctgt	ttttgcagca	acattataga	atgtagctac	85980
tgggaataat	gagataaaaa	atttgaactca	ccagcacac	atgttcccag	ctgaggctga	86040
acaaagtgat	actctgcctt	cttttatccc	agggataaat	ccattttagc	cacagtatat	86100
aatactttta	gtatgttggt	gagtttggt	ttctagtgtt	ttatggagga	tttaaaaaac	86160
tatgttccatc	agagatactc	acctgtactt	ttcttctctc	tggtgtcttt	ggctttggga	86220
tcagagtjat	gctggccctca	taatgtgagt	ttggaagaat	tctctctctt	attttttggga	86280
aggtttaaga	aagattggga	tttaattctt	tttttaattg	ttaatagaat	tcacccatga	86340
aaccatctgg	tctgtgtctt	ttttttgttg	agagctgttt	gattactgat	tcacatctca	86400
tattttgotat	tgggtgtgtt	gggtttctca	tttcttccatg	attcagtttt	ggcaggttgt	86460
atatttccag	actctatcca	tttcttctgg	gttttccagt	gttttgggtg	gtgattatcc	86520
gtaatagtc	gttatgatcc	cttttatttc	tgaggcatct	attgtaatgt	ctctctctttc	86580
attttttjgt	ttatttattt	gagtatctct	ctttttctta	gtcttgctaa	gggtttgtca	86640
atttttgttta	gtttttcaaa	aaccaactct	tagttttgtt	gacttttttc	tgttggtttt	86700
ctattctcta	tttgattcat	ttctgcccct	aactttctct	tcttctgctt	actttgggct	86760

tatttgatcc	tcctttttct	agtttcttga	agtgtaaaat	aaggttgttt	aattcagatc	86820
ttttttgttt	tttaaatcgg	catttattac	tataaacttt	cctgtaggta	ctgcttttgc	86880
tgcaccccat	acattttgat	atgtatattt	ttgttttcat	ttatcttgag	gttttttttt	86940
ttttagatag	gatgttttgc	tctgtcaccc	aggctcaatg	cagtggcaca	atgatacctc	87000
actgcaacct	tgaactcctg	ggctcaagca	gtcctcctgc	ctcagcctcc	tgagtagctg	87060
ggactacagg	atgtaccgcc	atgccagct	aattgttttt	aaaattttta	gaggagatga	87120
ggtcttgctg	tgttgcttag	gctggctcgc	aactcctgac	ctatctagag	ataattttta	87180
aattcctttt	tgatttcctc	tttgacacaa	tagttgttca	aaagtgtggg	gtgtagtttc	87240
tatgtatttg	tgaattttcc	tgttttctta	agttattgat	ttctagtttc	attccattat	87300
ggtgggaaaa	gatacttagg	acgatttaca	tcttcttaag	ttgtgtgata	cttctttgtg	87360
attatatagc	ctaaagaata	ttctgtgtac	acttggggaag	aattctatcc	ttctgttatt	87420
tggcaaaaag	ttttgtatat	gcgtattagg	tccattgggt	tcatagtgtt	gttcagttct	87480
gttgtttgct	tattgatttc	tgactggatg	atttatccat	tacagagaa	gatgtattga	87540
agttacttgc	tattattatt	attattttga	gatggagtct	cgctctgtcg	cccaggctgg	87600
agtatatgtg	cgcgacctcg	gctcactgca	acctccgctt	cctgggttca	agcaattctc	87660
ctgcctcagc	ctcccaagta	gctgggatta	caggcatgca	ccatcacgcc	cagctaattt	87720
ttgtattttt	agtagagacg	gagtttcacc	atgttggcca	ggctggtttc	gaactcctga	87780
cctcaggtga	tccaccaccc	tcagcctccc	aaagtgcctg	gattacaggt	gtgagccact	87840
gtgcccgtcc	tacttgctat	tattttatta	ctgtcaatgt	ttgccttcag	atctgttggt	87900
gctttatata	tttaggtgct	ttgatgttgg	gcacatatat	atttataatt	gttacatctt	87960
tctgttgtat	tgaccctttt	atcattatat	aatgactttt	gttccctctt	gtgatgattt	88020
ctgacttaaa	gtttattttg	tctgataaaa	gtttagccac	tcatgttctc	ttccggttac	88080
ttacttgcac	ggaatacctt	tctctacctt	tttactttca	gcttatgtgt	gtctttaaat	88140
ctaaagttag	tctttttag	acagcatgta	gttgggtctt	gttttcaccc	attcactcat	88200
actatatctt	ttgatttgag	agttaaagta	atgattgata	ggtaaggact	tactattacc	88260
attttgttgg	ttgctttctg	ttttgtgggt	ctactattcc	tctcttttcc	tctttgtgat	88320
ttgattttta	ttttttagt	ggggtatttt	ggttcttttt	atcttttgty	tatctactgt	88380
gcttttttgt	tcacggtgtt	tgcacaaac	attttatagt	tatagcactc	tgtcttacgc	88440
tgagaagaaa	ttactttcaa	tgacgtatag	aaactctaca	ctttagtccc	cattcacaca	88500
cctaattgtaa	ttaatttcag	gttttacttt	atttttgaga	cagggtcttg	ctctgtcacc	88560
taggctggag	tgcagtgggt	cgatcttgge	tcactgcage	ctctgcctcc	cgggttcaag	88620
tgattctctt	acctcagcct	cctgagtagc	tgggactaca	ggcacacacc	accacacctg	88680
gctaattttt	tatattttta	gtagagatgg	ggtttcacca	tgttggccag	gctgggtctct	88740
aactcctggc	ctcaagtgat	ctgccttctt	cagcttccca	gagtgcctgg	attacaggca	88800
cgagccactg	tggccagctg	catcttttag	tttctacttg	aaacttcttt	agttgtctct	88860
ataaggctgg	tgtagtcatg	acaaactcca	gtttttgttt	gtctggaaaa	gtctttatct	88920
ctccttcatt	cttaaagggc	aattttgatg	agtaaagtat	tctgtgttgg	cagggttttt	88980
ttctctctct	ttagtacttt	gaatatatta	tctcccgttt	tctgtgcctg	caaggtttca	89040
gctgagaaat	tcactgatag	tcttatagaa	gcttcttgtt	atatttatat	acaagttaggt	89100
ttctctcttg	tgttttcaga	ttttctcttt	ttgagtttta	acaaactta	tataatgagt	89160
cttgggtgtt	aaactatttg	gagacctttg	ggcttcacga	attgaaatgt	cccttttctt	89220
ccctagattt	gttaaaactgt	tagccttttag	tttttaaaaa	taagaagctt	tctgcccctt	89280
ttctctctcc	ttaaactcca	tatgcctgta	ttattttcac	ttgatgttgt	cccataagtc	89340
ctgtataact	tccacattct	tttttattct	ttttctcttt	tgtccctcta	atgctatcat	89400
ttcaaagtac	ctgtctttta	agtttccacg	ttcttttctt	ctgcttgagt	ctgctgttga	89460
agctgtctct	tgagcttttc	agttgagtca	ttgtattctt	cagctccagg	atttctatct	89520
gcttcttttt	tatggtttct	gtttctttat	taaacatctc	tctttattca	tttatttgct	89580
ttctgtattt	tgtttagttg	tagttcatgg	agcttctctt	agatgattat	tttggattct	89640
ttgtcatgca	attcatacat	ctctatttat	ttagggccag	ttactagagg	tttatttagtt	89700
tcctttgggtg	gtgtcatttt	tgcctggttc	tttataaatc	atatagcctt	gcaatggagt	89760
ctatgcattt	gaaggagcag	ggccttcca	gtttttatgg	actcgttcgc	caagtaaaata	89820
ccttctccta	ttgagtcctt	gggttgatgg	gattgcctgt	ggtattgtga	ttaagcaggg	89880

ctgaagctag	attatggggc	tacattaggg	ttcacagtca	gtgggcgtac	cactaggggc	89940
atggacaagt	atgtcccatg	gatggggaga	gctgtctctg	gaactcaata	gggtgggacc	90000
caagctgggt	cccaggctgg	tttgggttta	tgtttgggtc	caatcagcag	cccttttacc	90060
agaggaatgg	acaggcatga	tttccacaag	gcccctgtta	aggcaggact	tcctcttggc	90120
cacagtagag	cagggtctga	gccaggtcag	agtgtctgct	tgagtctgca	gttgggtctg	90180
gttggtggat	ctgttactag	gggcatcaac	agacatgggt	ccttcccagg	atggatgagg	90240
ctgggtgtag	gactgcagac	aagtgggact	ggagccgggt	ttacaaggga	caggctgatt	90300
ctgggtctgt	agctgaaagg	tcagtggggc	tgccttctcc	aagcagccct	tcctagtctt	90360
gggtccacc	aaggtttcat	aaccacctac	ctcaatccta	aggttcttac	aatggcactt	90420
atggccatgg	atggcttcca	aactattggt	tctgtaggag	gaccagggtc	ggggacattc	90480
tcttttgcta	tcttgcttac	gtcacctaca	acctacttta	aaagtaaatt	tgttctaattg	90540
agcataatga	gaaacaaaga	ttttaaaaaa	aaactaaata	attaatgcct	aagtaattcc	90600
aggttaatth	tgtatactcc	agttcttccct	atcagggtatt	tgtcattcag	agaggtaata	90660
gtatgaaaag	aatatttttag	gagtatatga	gaatattgta	tcttttttta	gaatatgggt	90720
ggctaaaata	tttacctctg	ctcctaaaaa	attcctgcac	aagcttgacg	tgagccgaga	90780
ttgcaccact	gcactccagc	ctgggcgaca	gagcaagact	cctgtctcaa	aaaaaaaaaca	90840
aacctatata	tatacatata	tatgtatata	tgtattcctg	cataatatta	tcttggtggt	90900
tatattacct	gtgaagctgt	aagtatatcc	ttttattttct	gtaacaatth	gacaattgaa	90960
gaaaagtatg	tgttgaatth	ttagcatcta	ctacacacac	acgcacacac	acacacacac	91020
acacactact	gttgtactth	gtaatatcaa	gacactgata	aaagttttgg	tgttgtattg	91080
ttatggatta	agacaaaaaa	attaaaagat	gagatggagg	agctctttct	attgtaggat	91140
tatctattgt	tttcatgtth	gatctgtagt	gaagtatatt	agtgaatatg	agaaacagaa	91200
tgatgagtac	taagctattc	ataaaaattc	agtagtgtgt	aatacttgta	gttttgaaac	91260
aaaatcagct	aatatcacct	tgacttttcc	ccatcttccct	attaaaaaaa	attgttttaa	91320
ttctggatth	atgttttcta	attttctttt	ccagttaccc	tgcagtthgt	gaatttttgc	91380
agaacaataa	tttactatca	attatcagag	cccatgaagg	ccaagatgct	gggtaagtta	91440
cattaaaatt	gtaccaaaata	tcgctgcaga	gtctttgcac	ttaatatgca	gacagatgga	91500
ctttcatctc	tttttcagggt	atcgaatgta	caggaagagg	caagccacag	gctttccatc	91560
acttattaca	attttctctg	cccccaatta	cctagatgtc	tataacaata	aaggtaaagg	91620
aatccagcaa	tatttgagth	tgaatttatg	agtaaacgtg	agctctgggt	taattgtatg	91680
tacgtatgtg	tgtttgtgtc	attttaaaaa	ataaattttta	aataagaaaa	aaaggggtct	91740
tagttgaaac	aaaggccaag	aaatttagaa	tttatgctgc	tgcctgggtct	ttatctccta	91800
aggattactg	gcttctttgt	gagtataaat	aatgatcata	ataggtcaga	ttgatactac	91860
agaatcaaag	tataagaaga	ataaattgct	tcaggctcat	gccagaatag	ttagcataaa	91920
ttattggtht	tgggtgaatth	aatgtgttta	taacagtatc	tcaaagtcac	cattgggtatt	91980
ttaatctttg	tgaattatta	aactattttt	gtttttcttg	agatatgggt	taggtagagt	92040
gacctagtgt	acaaagtcac	aaaaaaacct	tcattttttag	tttaaacctc	gccagaaaacg	92100
aatactgtga	ccttgagtga	gtcacattat	cctttctaata	ttcagtttcc	catatgaaaa	92160
aagaagaatg	gatataatca	tgccttttgt	tcagaaaatt	ttactttctaa	gacttttatcc	92220
tgtaaaagtc	tttttttttaa	tttaaaaact	ttatgattaa	tagttttataa	gtttttctatc	92280
gaggcagtg	tcctactaaa	aacttcatat	ttctgtaaact	attttgttgt	ttataaagta	92340
tgactataaa	ttaataggac	tttgaaaata	aacatgcccag	aaacaaacata	tcacaaatgag	92400
tattgtccct	tcacaaagtagt	taccttgagg	ggctacacac	ctatttccaac	aatgctgtcc	92460
ttgttcaaaa	acattttttgg	aactcctctt	ttggcattgc	cttcagagtc	tgagacacat	92520
tcttttgatt	atcctcaatg	atgggaaatc	ttcgtccttt	gagggtggat	ttjattttttg	92580
gacagccaaa	agtcattcgg	agtcacagact	gataaataag	gtgagtgtac	aagctagatg	92640
ataccatttg	gggtcagaaa	caaggatatga	ttataaggta	atgagactgg	ttttctctcgt	92700
gttgctgata	cagtggctct	ggaggcactt	ccaaaagagg	agttccaaaa	acgtttttgag	92760
taatggcagc	atctctggat	taattatatg	gtaaggcaac	aaattgtgct	gaaaagaaca	92820
caaagcaagg	agtcagtcta	gtcctgtctc	acttttaagt	gtgtcacatt	taacaagata	92880
cttctctgag	cctcatcttt	aaaatatctg	tcatatgggg	ttgttgaaga	taagttggaa	92940
taaggaaaaa	ggataattaaa	gtgttggttca	aaatataaat	tactataata	atacagattth	93000

tactgttatt	gtacctgatg	tgataatatc	aaaggaccac	actcatctga	taaaaaggtc	93060
tgggtgtgtt	gtagctgggtg	gtttcttaag	tctcattact	ttatagttat	accttgtata	93120
tgcagttggg	gagataagtt	tcaaagatgg	ccaaaatata	attaatattt	actctattta	93180
aaagtaaacc	atggaatggc	acatctcatt	taaatccgat	ttgggtcagt	catttttagtg	93240
tgtcctccag	tgacttgtct	attttaaaaa	gcatgtcttt	aacttaagtt	ctgtcctagt	93300
cttatgtttt	catttaactt	agcattcttc	tctgagcctt	atctgtccta	caatgctctg	93360
cttctcccta	agttcatttg	ttatttcctt	tttcttgata	tttccagtat	attagcaact	93420
taggttttat	tcttatttat	tctcttatca	atgggtgtga	ctggttgtgt	tgtaaacgt	93480
cttcaaggac	tcttgtggcc	ctagatctcc	tatttgtaat	gaagggtgtt	ctttctcact	93540
ttctttttta	acttcatcaa	aaagagtatc	tattgattgc	tcaatggatt	tatcagtggt	93600
ccaagctgaa	acacgccacc	taagtcagca	ggcactatac	agctcactca	ctgctagctt	93660
gttttttgtc	tcaatctaac	ctggttttgt	tcttgattat	ttcttttagca	aacttttaac	93720
atcacagtcc	tggccaggca	cagtggctca	tgctgtaat	ctcagcactt	tgggaggcca	93780
aggggaggat	cacttgaggc	ctagaattca	agaccagcct	gggcagcaaa	atgtgacccc	93840
atcttttaca	agaaaaattt	aaaagttagc	caggcaagggt	ggagcatgcc	tatagtccca	93900
gtacttcagg	aggctgaggc	agtaggatcc	tttgagtcca	gtagttcgag	gctgcagtga	93960
gctgtgatca	caccactgca	ttccagccag	gcaatagagc	aagaccctgt	ctaaaaaata	94020
aaaaaaaaag	taaaagccac	agttcattct	acctgagtat	tctgtcgggt	ttgacataat	94080
tagtaacttt	tatctcaaaa	cagtcttatt	ttcattgggt	gtttcttaag	catttttagaa	94140
ggaaaaaggc	agaaaatgtg	gcatttgaaa	cagtccctgg	gggtactcag	ttactcccca	94200
tacaagtgcc	ttcttttctg	aaaaagggaa	ctctattatt	ctttttcttc	ttccttttct	94260
tctactgttg	ctcttctttc	tctttctctc	ttttcttttc	tctctctttc	tctctctctt	94320
tcttttcttt	ctttttcttt	ctgcttccct	ttcttctttc	tttcttttct	tctttctttc	94380
tttcttttct	tctttctctc	tctctctctt	tctttctctc	tctctctctt	tctctctctt	94440
tctgtcactt	aggttgagag	acagtggcag	gaacttgatt	cactgcagcc	tgcacttccct	94500
gggctcaagt	gatcctccca	cctcagcctc	ccaactaget	gggaccacag	gtgcatgccg	94560
ctacacctgg	ctaattttta	aatatttttt	atagagatag	ggctctcgta	tggtgcccag	94620
actggtctca	aactcctgag	cttaagcagt	cctcctgcct	cggcctccca	aagtgctgggt	94680
attacaagtg	tgtgccacca	cacctggcct	ctttcatatt	attttttttt	tttcagagac	94740
agagtctcac	tgtgttgccc	aggctggagt	gcagtgggtg	ggctcttggt	cactacaacc	94800
tctgctctcc	gggttcaagc	aattctcccg	cctcagcctc	ccgagttagct	gggactacag	94860
gtgcacgtcg	ccacgcctgg	ctaatttttt	ttatttttagt	agagacgggg	ttttaccatg	94920
ttgcccaggc	tggcttcaat	ctcctgagct	caggcaatct	gccacctcgg	gcctcccaaa	94980
gtgctaggag	tgtcttttca	tattcttttag	acttcttggt	atctacaggt	atttcttagt	95040
tccactagtt	acacgaaaga	cctttaatca	tgatttttta	agattcttat	tcttgttttc	95100
ttctgtccac	tgggaacaca	cccaaaagca	gttttataag	ctcttgtttc	cagtcatcca	95160
ctgttgagac	tcacctccca	cttctttttc	ctgggtagaa	attgaggggag	ttgttgaaata	95220
atgatatatg	acatattttac	ctaaactaaa	taaaatacat	acacgtgaaa	ataatggaac	95280
atgtacatca	tagccagtgt	taggcttttt	aagtgtctaga	aactatattt	taattttatt	95340
tcttaataat	atatgggtgt	catttttagac	attcaataac	ttaaattttt	agaacactag	95400
attatcctgt	agcaaagaaa	caggaatgag	gacgtgacct	atatctgtca	tttctggaga	95460
actgttacac	cctgtttttat	tttatgacca	cagaataatt	aagagaatag	tgcaaacac	95520
attgctgggtg	ataaaggcta	aggaattgga	ttttaagact	ttcaaaatat	aaagaaaatc	95580
agtttggtcat	caaagtatgt	gtgagactat	ctgaatgggt	aatatttaac	atagcatgct	95640
ggcaatacac	tgtgtgtgat	tggagaaatc	ggcaatttta	aaatccgcta	tattgaatac	95700
agagatgaat	taatctaatt	ttgaacattt	aattgtaaat	tgttccaagt	ttgccatttg	95760
tatcttccag	tatgagttga	taactgcaat	atataaactc	ccagagagtg	tatacaatct	95820
ttgactctgg	ctaattgacta	gcaaaacagg	ctgtgtccat	ttaatgagta	atttttgcct	95880
tcaaaggaga	gttgtaatta	taaccatttg	gcctataaaa	ggaaatttat	gggaaatttt	95940
cctcacgtgg	atcttgagggt	ttatatagat	agttactgtg	cagtgaactc	aaagtttccag	96000
tttcttttjt	acttttatta	tatgagctct	tcaggtaact	ttgttccctg	gaataattct	96060
taagagaatg	aactgaataa	aaggctttta	aattttccat	ctgcccttta	cctagtcaag	96120

tectgacttt	acaaatggaa	agttctcgaa	ttctgtgtag	caggtacaca	gctgtacaaa	96180
gcataccact	tgccatgcc	tgttcctctg	tgccagattt	tcttgctttt	ttccttttta	96240
gctgctgtgt	tgaaatatga	aaacaatgtc	atgaatatca	ggcagtttaa	ctgttctcca	96300
caccctact	ggcttccaaa	ctttatggat	gttttcacat	ggcttttgcc	ttttgttggg	96360
gaaaaaggta	agagaactaa	agcacatgtc	tcatcagttg	tttggtgact	gagcatacct	96420
tatatttgca	tgagcccctc	catgattcag	aaatgttttc	taattttgtt	tgttctctac	96480
atagattttt	tttttttttt	tctgagatgg	agtctcgctc	tgtcaccag	gctggagtgc	96540
agtggcacga	tctcagctaa	ctacaacctc	cgctcccag	gttcaagcaa	ttctc	96595

<210> 35
 <211> 2134
 <212> DNA
 <213> Homo sapiens

<400> 35

gggccaccct	tagcagcggg	cgcggtcggg	gccgaagcgg	tgttccccgc	cttagccgct	60
gcgcctccca	agagagcggc	cggtggggcc	tgcctctgtc	agtggcgctg	gaggccgggc	120
tgcggtggcc	gcgccttctt	ggtgctcgga	caccgctgag	gagccggggc	cgggcacggc	180
tggtgacgg	ctccgggcag	ctaaggctgc	ccgaggagaa	ggcggcggcc	gcggcgtagg	240
cgcacgtccg	gcgggctcct	ggagcctgga	ggagggcgag	gggacatgt	ccgggaggcg	300
cttcacctc	tccaccaccg	accgcgtcat	caaagctgtc	ccctttcctc	caacccaacg	360
gcttactttc	aaggaagtat	ttgagaatgg	gaaacctaaa	gttgatgttt	taaaaaacca	420
tttggtaaag	gaaggacgac	tggaagagga	agtagcctta	aagataatca	atgatggggc	480
tgccatcctg	aggcaagaga	agactatgat	agaagtagat	gctccaatca	cagtatgtgg	540
tgatattcat	ggacaattct	ttgacctaat	gaagttattt	gaagttggag	gatcacctag	600
taacacacgc	tacctctttc	tgggtgacta	tgtggacaga	ggctatttca	gtatagagtg	660
tgtgctgtat	ttatggagtt	taaagattaa	tcatcccaaa	acattgtttc	tgcttcgggg	720
aaatcatgaa	tgcaggcatc	ttacagacta	tttcaccttc	aaacaggaat	gtcgaatcaa	780
atattcggaa	caggtgtatg	atgcctgtat	ggagacattt	gactgtcttc	ctcttgctgc	840
cctcttaaac	cagcagtttc	tctgtgtaca	tggaggaatg	tcacctgaaa	ttacttcttt	900
agatgacatt	aggaaattag	acaggtttac	ggaacctccc	gcctttggac	ctgtgtgtga	960
cctgctttgg	tctgatccct	cagaggatta	tggcaatgag	aagaccttgg	agcactatac	1020
ccacaacact	gtccgagggg	gctcttattt	ctacagttac	cctgcagttt	gtgaattttt	1080
gcagaacaa	aatttactat	caattatcag	agcccatgaa	gcccaagatg	ctgggtatog	1140
aatgtacagg	aagagccaa	ccacaggctt	tccatcaact	attacaattt	tctctgcccc	1200
caattaccta	gatgtctata	acaataaagc	tgctgtgttg	aaatatgaaa	acaatgtcat	1260
gaatatcagg	cagtttaact	gttctccaca	cccctactgg	cttccaaact	ttatggatgt	1320
tttcacatgg	tctttgcctt	ttgttgggga	aaaagtcaca	gagatgctgg	taaatgtgct	1380
caacatatgc	tctgatgacg	aactgatttc	tgatgatgaa	gcagaaggaa	gcactacagt	1440
togtaaggag	atcatcagga	ataagatcag	agccattggg	aagatggcac	gggtcttttc	1500
aattctctgg	caagaaagtg	agagtgtgct	gactctcaag	ggcctgactc	ccacaggcac	1560
actccctctg	gggtctctct	caggaggcaa	gcagactatc	gagacagcca	tcagagggtt	1620
ctcgcttcag	cacaagatcc	ggajttttga	agaagcgoga	ggtctggacc	gaattaatga	1680
gcgaatgcca	cccgaaaagg	atagcatata	ccctgggtgg	ccaatgaaat	ctgtaacctc	1740
agcacactca	catgctgcgc	acagagagga	ccaagggaag	aaagcccatt	catgacttag	1800
agtcctggcg	tgctcaggtg	gatctaaaac	tcaagaacaa	attctattta	tttattattg	1860
gaaaatgaaa	agcaactcaa	aacaacttca	acctggaggt	gcattttata	ttcagttctg	1920
atattattctg	taaaaagggtg	actgttttat	aaattctttt	aatttatgtt	caatatatat	1980
aaaaagtgc	tctgttttgt	ttttcccttt	tttctccata	attttaagaa	atgaatctga	2040
ttgttgctca	cacatttgtg	aagtcttgtg	ctataaaggg	gaacttcccc	taataaaaag	2100

gccttggaac cctcaaacct gggttttctga cccc

2134

<210> 36

<211> 1509

<212> DNA

<213> Homo sapiens

<400> 36

atgtccggga	ggcgcttcca	cctctccacc	accgaccgcg	tcatacaaac	tgtccccctt	60
cctccaaccc	aacggcttac	tttcaaggaa	gtattttgaga	atgggaaacc	taaagttgat	120
gttttaaaaa	accatttggg	aaaggaagga	cgactggaag	aggaagtagc	cttaaagata	180
atcaatgatg	gggctgccat	cctgaggcaa	gagaagacta	tgatagaagt	agatgctcca	240
atcacagtat	gtggtgatat	tcattggaca	ttctttgacc	taatgaagtt	atttgaagtt	300
ggaggatcac	ctagtaaacac	acgctacctc	tttctgggtg	actatgtgga	cagaggctat	360
ttcagtatat	agtgtgtgct	gtattttatgg	agtttaaaga	ttaatcatcc	caaaacattg	420
tttctgcttc	ggggaaatca	tgaatgcagg	catcttacag	actatttcac	cttcaaacag	480
gaatgtcgaa	tcaaatattc	ggaacagggtg	tatgatgcct	gtatggagac	atttgactgt	540
cttctctctg	ctgcccctct	aaaccagcag	tttctctgtg	tacatggagg	aatgtcacct	600
gaaattactt	cttttagatga	cattaggaaa	ttagacaggt	ttacggaacc	ttccgccttt	660
ggacctgtgt	gtgacctgct	ttgggtctgat	ccctcagagg	attatggcaa	tgagaagacc	720
ttggagcact	ataccacaaa	cactgtccga	gggtgctctt	atttctacag	ttaccctgca	780
gtttgtgaat	ttttgcagaa	caataattta	ctatcaatta	tcagagccca	tgaagcccaa	840
gatgctgggt	atcgaatgta	caggaagagc	caagccacag	gctttccatc	acttattaca	900
attttctctg	cccccaatta	cctagatgtc	tataacaata	aagctgctgt	gttgaaatat	960
gaaaacaatg	tcataaatat	caggcagttt	aactgttctc	cacaccccta	ctggcttcca	1020
aacttttatg	atgttttcac	atgggtcttg	ccttttggtg	gggaaaaagt	cacagagatg	1080
ctggtaaatg	tgctcaacat	atgctctgat	gacgaactga	tttctgatga	tgaagcagaa	1140
ggaagcacta	cagttcgtaa	ggagatcatc	aggaataaga	tcagagccat	tggaagatg	1200
gcacgggtct	tttcaattct	tcggcaagaa	agtgaagatg	tgctgactct	caagggcctg	1260
actcccacag	gcacactccc	tctgggcgtc	ctctcaggag	gcaagcagac	tatcgagaca	1320
gccatcagag	ggttctcgct	tcagcacaag	atccggagtt	ttgaagaagc	gcgaggtctg	1380
gaccgaatta	atgagcgaat	gccaccccga	aaggatagca	tataccctgg	tgggccaatg	1440
aaatctgtaa	cctcagcaca	ctcacatgct	gcgcacagga	gcgaccaagg	gaagaaagcc	1500
cattcatga						1509

<210> 37

<211> 78028

<212> DNA

<213> Mus musculus

<400> 37

tgataggaga	aagggtctgt	tggttaccat	gtggcatggc	cattgtatct	gtaagagaag	60
gatactgtag	ccctcccta	gaacagccat	ccctccagta	tgccagtott	ctctgtggtc	120
actgcacaa	agctttctga	ctttaccctt	tgccatcttc	ctgtctcttt	attttgtttg	180
aaaaataact	atttttatgt	attctttgaa	agttccatac	atgtatacat	tatgtttgag	240
catatccacc	caacatcaca	tctctccaat	gcctctacaa	caccccactc	tgtctgcacc	300
caactttggt	gttggttatta	gtctgtcatt	caggtcaatt	agtgttgccc	atatggacgt	360
ggtatgtgac	atcatcatac	attttgtgtg	ggggactota	ccatcagcat	gtggctagag	420
attgtccctc	tttcgggcagc	catcaattgc	cagtagctta	ctcaccgaag	tggtattttg	480
acaggtctgt	tctcatctag	atcttgtaca	ggcaaccacg	gctaactgtg	gatgacacat	540
tgctccattt	ttaaagatag	aatcgtacac	tatagccaa	gctagcctaa	aacttactgt	600
gtgtgtatgt	gtgtgtgtgt	gtatacactc	atatagttag	acttgaacta	tcaacaattg	660

gatcttacac	tatagatgag	gctggcctag	aacgtactac	atattgcagg	ctgagcttga	720
actatcaact	atcctctagt	ctcagcctcc	caagtgcctg	cattacacac	atgagccgtc	780
atgactagct	tcccttcgtt	cttagcacat	cccatgaggg	agcatcttaa	agggcccttg	840
acccttgca	acctcattag	atacctcatt	tgtttccctg	agtataatga	ggtcttaagt	900
tgaacctgga	catgtggtcc	aaaacgctta	ttaaatacaga	ttactttctc	acactattag	960
acaaggaaat	ctgtgcagac	aaatthttgtg	tctatgatata	gaagaatgtc	cacctgcagg	1020
agacattagc	agtgtgacta	ttgattgtga	agtagttcgc	ctaagaacag	agggcagcag	1080
acacaggaag	cagcaaggaa	gggaacaaga	gcagacaaag	aatgaaagca	aagatgccct	1140
ttctccagtc	ctcccgcctc	cgagccccctt	gtttgagcag	cttttgagaa	gggttggttt	1200
ttgttggttc	ttcttctctt	tgthtttggt	ttgttttggt	ttgttttcat	agactcttgc	1260
ctgctgagga	ccaggctaata	catacactac	tatgccagga	ggttttttgt	ttgttggttg	1320
ttttgggttg	gattttgttt	gtttgttttg	ttggttggtt	atthttgttt	gcttggtttg	1380
gtttctttgt	ttttgtttgt	ttgtttttgt	cacctttgag	gtttctcttt	aagcagccctg	1440
ctgaagatca	gctctagagt	cttcagctct	agagtctcct	ggacagctct	gttctctatc	1500
gaggacctgg	ttgaagacag	catcagagat	gctgttacaa	ccagcaactga	agctaacaat	1560
gaagaggagc	agtggcgagt	gagagacacc	cagaactaga	caattctgtg	cagccttcaa	1620
cagtcacttc	cctgggcacc	agttccctcta	cttggaaatg	agagggatga	gggctctatc	1680
tgtctgggtt	ttaacagtag	aatggtggat	atgttcaaag	caggtggaac	tatctggcag	1740
tgthttcacc	tctgtggggc	tcagccctgtg	tttctgattc	tctccttggg	aatggcagtt	1800
aagtggcaac	ttggtaacac	tactgctctg	ggatgggtccc	tgctctggga	tggcccttgc	1860
tagatctctg	tggttggtgt	tggtgatgtg	ggaggcagga	ggaagtggat	ggagacaagc	1920
tgaccattgg	tttgaaggtc	caagctthta	atccctctcc	ctacctgtga	ggagagccag	1980
gccaaactga	ccaggccctg	atagccattc	cccagccagc	cgtgccctcc	ctggttgaca	2040
tcctctthtt	ctcctctcta	gcccatagaa	gccaacgcag	cttcagccca	ccattcgtgc	2100
gtatgacctt	gcaccttgac	ttcattttact	gaagatatgc	agagtcacca	tcaggaataa	2160
ggagaatttg	gggtctgagg	aaaatcatcc	caagcttggg	tggggtaaaa	ataccctgtg	2220
gattgaacct	taaaaaagtt	cctcaaaaat	gacatgacgt	ttttctgcca	attaaaacttc	2280
cctaaccgct	tcctagaaaa	ggcagaaaatt	cagagaagtt	gtaaggccacc	agaggccgac	2340
cagatcacta	gattctcccc	tttcagccct	ggaaaaatca	tcactthtat	taagggcata	2400
tttaagacct	atggacagga	aaagccctcca	gacattttgc	taccatgaa	ctggccatca	2460
gccgacaggg	tttccacacg	ctgcaccttg	agctagtga	gcagccacag	ccttccctgt	2520
gccatctctac	ctgctgcca	gtcagtctgc	agacacacag	cctggcagga	tggactggtc	2580
agaggttcaa	agttgcttgt	gcagagtgtt	tcagctgccc	attgatttgt	taggcgcctg	2640
gtcagaagca	agtcaaattg	tgtgacttg	tagtagtaga	ttaaataaat	tgtggtgttc	2700
ccagacagga	aaacctctgt	cagtctcaaa	atacttatag	ggactgtatt	aactcacagg	2760
gatctatgtc	cacaatgtat	ttgctatttg	ttccctaaag	tgcctthtaa	cataatggta	2820
cttagaagg	catctctaca	gatatgtccg	gataggcaca	gagtgcctgc	caactatgoc	2880
tgcacaaaagc	cagagagcaa	ttatctggag	gtthactctt	tactgtcttc	tttataatat	2940
actctthttg	tactthaaaa	tattthtttac	aatgatacat	tgtthcattt	tgtgccagg	3000
gtgggggttg	ggagctatac	tttcagthtt	aaaatttgag	ttaaagtcatt	gagctaaatc	3060
actcatatth	gagagatgtg	acctgggttg	gttgccctat	aagactaaaa	gccacataga	3120
ggacttcttg	tgtgccagcc	aacggtgtct	gaggaccttc	tgggatcaac	ttgcgttac	3180
tgtacagtag	ctccagggaag	caagtcttht	atgatccaca	tttgacagat	gatcaaatgg	3240
ggaatttagag	aagtcattht	tttaacatct	ctggctgaca	aggggtgaaa	cagagctcta	3300
tctggtcaaa	ggcctgtctc	caaagcaacg	gccaccatgc	cgtatcttht	gcttacagca	3360
tcaattcaac	ggtthctgcac	gcatggggca	cggaagggaac	cgagagctga	gcaggagcta	3420
gggtcaacgg	gtcacgggtg	gggagaaggc	agaagtgaag	gctgtggatt	caaacagatg	3480
acctgtgggg	ttcttggggt	cttgtgggoc	tctgttccoc	tcggttccoc	ccacttgtgc	3540
ttcctccgtc	gttaaacagg	catgtthtca	ggcactccat	ttagaattaa	ttagttgcta	3600
tggctaccta	cctagttagt	agtcagtgtg	taccacttca	ctgcctact	gtgtccacta	3660
acaccttggt	ccaggccaaag	atgtaggggag	aagagggtatt	cctatgtgag	ggaagttctg	3720
agtgaatgtg	tgthttcatta	tgggcatagc	ctgtcaagga	ctccaagacc	aactggccca	3780

tgggaaactg	gcaaggcttt	cctcgggagt	ctaggtatga	gtgtttatga	cgagaggtea	3840
gtgtgtgcag	ggattagtaa	ctgcagcttc	ttcctcctag	acgtttacag	cctgaggcta	3900
gtcatctgca	gagaccttct	accagactag	ccagcacctc	ccctgtgctg	taccttataa	3960
aggttgcagg	tactggccat	agtgggtgat	tagagaaccc	cgctgatcc	cagcttcaca	4020
gtacacatat	gtactttctt	cattccctgg	gtgcccttag	tcagagttct	gcgacccaag	4080
ctgagcccat	cacccccaca	ctgagacaca	cagacccag	ggtctctggg	tagggaagct	4140
gtcccagaag	gctggaaggt	acacaagcgt	cctcatctct	caccaccctg	tggcaacgct	4200
gttcatttgt	cattgtctat	tgggcataag	cccctgaggc	tgacacagtt	gccttgtgga	4260
ggcctgtatc	cccagccttg	gaagagaaca	ctcagtaaga	gaacatcctc	tgttgataat	4320
tggaagttat	tcacaagagg	ccttgcaatt	aaagtggcat	ttgtgaatta	gctcgtaaga	4380
tttaaaaaaa	atttttttct	tgttttctac	ttacctggct	cagagttctg	acaccaagaa	4440
gttgctgggt	tttaatatgt	accttaaacc	agaggggcca	gtagtaggcc	ctattttata	4500
ctagatactc	gagtgaagaa	cctctagggtg	ttctatgtac	attataggct	ataattcaca	4560
aagccctgtg	ttggaggcca	gggctctgaa	cagtcaggcc	acacagctag	agaggggtga	4620
agactggctt	ctgtctggag	ctgtccacac	taatttccac	cctgctccct	cctcttgagt	4680
tgttatagct	ttgaagaaca	ggcctgttct	taactctgcc	gcctacaccc	atgagagagc	4740
aatttaaatt	taaacggcat	tctcctcttc	tattgctgga	ttggagacta	ccacattctt	4800
tctttctcca	tctgctgcta	cctcagtcct	tcaactagag	gagatgggtg	aaggaagggg	4860
agagagagag	agagagagag	agagagagag	agagagagag	agagagagag	aactgcaatc	4920
agagtgtggc	ctgtactgca	atcaaattgc	aaacattttc	atccaaaaat	ggagccaggt	4980
gccttttaac	tgccctcccc	agtgcctctc	gacactaagc	tgtagtccgg	tatcctctgt	5040
ctctgtgtga	gtttgtcgac	tccggatgct	tcatagatac	gggattatat	aacgcattggc	5100
ttagtgccctg	gcattgtgac	catagaatgc	tttcaagggtg	cattgacatc	tcacgggtatc	5160
atatcatcac	atcatatgcc	gctgtgccac	ttatcctgag	gactcaatta	tattccatca	5220
tacggagtac	tgtgctttat	gcagtgcctg	ttgtgggtact	gtttgtgggt	acttaggttg	5280
tttccacttt	tggactatgg	tgaataatgc	tgccatgaac	actgacgtag	actgtgtgtg	5340
gatatacatt	ttcacttctc	ttgtcatgtg	tacattgcta	tgccatagaat	ccttaggtcat	5400
actggaggcc	tgtgctatgg	tctgaggacc	tgacacagtc	agttccagct	aaaattccaa	5460
tctgttatct	attcaactca	tgcccttctc	caaagcaagc	taagctcctg	gctttcccg	5520
ctcagagcag	aaaagagacg	tggccacctt	agcttgggtc	caactgcaat	cagtagcctt	5580
agaatcctgt	cctcctatgc	cacaggcgct	cagcctttct	gcctctccgt	gatccagacc	5640
tgggagcaaa	ggtagtccca	tttccctcat	ccttatgaac	accaccatct	ccattacac	5700
gcattgcgcag	ggtggtaaac	ttccacacct	tagaaactcc	atgcacccaa	cctttgtaat	5760
gcattccagt	tcaatgcata	cagcatcctg	tgtccagaat	cctgtgtcat	gtgtccaatg	5820
tcttgctgct	agcaatcctt	tcttctgtcc	aggaagagg	ggaaagagga	tgacacatgt	5880
ccttctctagg	cctctagaaa	cctctacctg	tcacataaat	ccactcctct	atttttcatt	5940
gttgaagtcc	aggagtcaaa	tgccctgaact	cgtgcttgac	ctctgacaac	cccttcaccc	6000
ccaaaccccc	caccccccgt	ctgaagaggc	ccttctgggg	gaaggagatc	tgacttaaat	6060
ttgacaattt	tgagttccagt	aacttgccct	ttggccaggga	gtcagagcct	tagttattct	6120
ctgttccagg	tgcagagggg	tgaagtggga	gtggcaagta	ccttcataaag	ccccaccctt	6180
tgccttttaga	gctcttgtct	gtgaatgagc	taaaacctct	acttgggtcc	tgaaatgaac	6240
atctccagctg	ccttggagag	agcttccagtc	taccttccc	cccacctccc	tccctccagt	6300
gggatcctga	tgaattccca	agcttctctg	tatcctgaaa	cagaccggcc	tccagtctct	6360
gggtgttaat	acaaggggcc	agtttccagg	cagatttccc	tgtccccagc	tgtgtatgtc	6420
cctctttctc	cccacaagtc	cctatgtctc	agaggaggct	agccattact	ccttctctatc	6480
aggttccaga	taagcccata	cctgaatctt	ggttcttagac	tttgggaaag	gtgagaggac	6540
ctgttctaaa	gcagctgcag	gcttctctta	ggtctccagg	cctccccagg	ccttgcctct	6600
tgttatttct	ccaaagccag	tccagtccaga	gtaggccaaa	cacaacagtc	accacagtgc	6660
atctagaaga	aaatgtctta	gggagagaca	gaaatgggct	tgacatagcc	tctctttact	6720
ctgtctctgt	tcataatgga	agcccttgg	aattttgtac	acttaatgag	atcattatta	6780
tgcataattat	aatagtatgt	ttcttgacct	aatttgggtg	tttccattac	caatatatat	6840
acaatggttag	aaggatctac	tgtcctctct	gtctctctgt	ttctgtctgt	ctgtctgtct	6900

gtctgtctcg	ctccctccct	ccttgctcaga	gacctttg	aacaaagaaa	gagcttatga	6960
gtgtttataa	tgtaagagat	ttcacagtta	ttttagt	aataaataaa	gacataggag	7020
ccctttgcta	agttcttaaa	atgttttctc	ggttttg	gatatctaac	cataatctcc	7080
attactcttc	ttttaaaagt	tacttctata	gatttaaaag	agtaatatgg	gttcatagca	7140
ggcagaaaat	gcaatataag	gtggaaaaaa	agagcaactg	cataccaacc	acaaagccac	7200
cttctgtgcc	cccatcccg	gaaacactct	gtggagagtt	ctgtagctgc	ccctctggca	7260
ttttttttct	ctttagatac	atagctttcc	aagcaggcca	gcatgcagag	acggcagctt	7320
gagttgcttt	ggctgtgttg	taaagacact	tgggctttcc	ttgtttcaaa	ctagtccagg	7380
aaaggctggt	gggtgagcag	ccactggagc	aaattcaggc	ctaaagagtg	gttcttctcc	7440
atgcttcgct	cctggagggt	gggctgagga	tcccacagat	gctaaaatcc	cagagccaca	7500
cagagactgc	atctcagagc	cacgagtggg	aggaggtctg	cagaggaagg	cctgaagacc	7560
tcttcccaga	cagagtcacc	cttatgagcc	ctcctttttt	gtagtcgagg	caaacactcc	7620
tttttgcaat	cattacttct	tgtcaagtg	agagagtaaa	ataatatata	tttttaaaca	7680
ttttaaaagc	aagcaaacaa	gtatagaaga	aggjccctgc	aaaccaggag	tcagagagtc	7740
agggagggca	aagcagagag	caagaaaagc	caagacctaa	atctctcaca	tcccctacct	7800
ctcctgcccc	tgagggttca	agaagtctta	ccctccgcct	ctgcacttac	tgtagccttt	7860
attttaatca	ccttggttga	attttgccct	gctcagcttc	atgaaatggt	ggggccacat	7920
gggcctgagt	tccaatttag	ccatgcagct	aagaaaccac	tgtatatct	tgtgctgtat	7980
gttagccatt	ccttcttgtg	tagactgact	ttctagatta	gaagtgaana	tgagataaga	8040
tactgcaggg	aattagtgcc	aggctcatgcc	caactagatg	ctgtagtaaa	ctaattgccc	8100
ccccaccct	ctcaccccaa	accctagtca	tagtctagac	ccagaacttc	tgaatttact	8160
tggaaaactaa	caatttatag	atacaattat	aattgatcag	gctggacaca	aatgcaatgg	8220
ctgatgcctt	tatagagata	ggaaagggac	agagatatat	gtacaaggga	tggggcccatg	8280
taaaaatggg	gtggtgctct	acaaaagcaag	ggatgcccac	gactgccatg	tagctacctg	8340
gtgggaagcc	atggagaagt	tgggaagtgt	tcttggttga	tttattttct	ctatttctct	8400
gtgtgtgtgt	gcatgtgggc	atacctttgt	gtgatgcact	tgtgagtgtg	aatatggaga	8460
cccgagggtta	atgtcagaga	atcatattcc	accttattca	atgaggccag	gtctctcagt	8520
cagaccggga	gcttgtgata	atggctagtc	tcattagcca	gcttgcctgtg	gggaatccct	8580
ggtacatgtg	gaccaggggt	acagctaaag	ggcagctgac	aagaacaatg	gctctagggg	8640
gcctggcagg	taagcggctt	gagagagcct	aaagataaaa	cagaactgtt	gaaaacaaaa	8700
ccaaagtatg	cttccaggca	gcatgctcca	gttccctcaga	aaccattctg	gtttgaatga	8760
caccccacac	ccccgctttt	tctttttaac	aggaaaacag	cttcaaggat	cgtgaccaca	8820
tcatttttgt	tcccttttgt	ggatatatcc	taatgtcaaa	tgtggcatat	ctttgttgtc	8880
tccttctgtc	tcccaactag	agagaacaca	cttaaggctc	ctgtcccggtg	caggtttggt	8940
tgtcgggtgtg	attggcttcc	agggaacctg	atacaaggag	caactgtgtg	ctgccttttc	9000
tgtgtctttg	cttgaggagc	tgtgctgggt	gctgatgtga	gtatgaagta	cattgggaac	9060
ttctcttaact	ttctgggttt	gtgtgtgtga	gatgggtgag	tctgtctgtc	tgggggaaca	9120
ctttttaaaa	atcctactct	gagaaattgt	gcttacaatg	aaatcattcc	taccttccaa	9180
agaccagggtg	tttcagtgtt	ttttattctt	ttttttatta	ggtattttcc	togtttacat	9240
tttcaatget	atgcccacaa	gtcccccata	cccaccccc	ccaatccctt	acccacccac	9300
tccccctttt	tggccctggg	gttccctgtt	actggggcat	ataaagtttg	caagtccaat	9360
gggcctctct	tggcaggatg	gcgacaagg	ccatcttttg	atacatatgc	agctagagac	9420
aagagctccg	gggtactggt	tagtccatat	tgtgttccca	ccataggggt	tgcagtcccc	9480
tttagctcct	tgggtaat	ctctagctcc	tccattgggg	gctgtgtgac	ccatccaata	9540
gctgaactgtg	atcatccact	tctgtgtttg	ctaggccctg	gcatagtctc	acaaagagaca	9600
gtatatctctg	ggtcccttca	gcacaaatctt	gctagtgtat	acaatgggtg	cagcgttttg	9660
aagctgatta	tgggatggat	ccctgcata	ggcaatccact	agatgggtcc	tctttttgtc	9720
acagctccaa	attttgtctc	tgtaaactct	tccatgggtg	ttttgttccc	atttctaaga	9780
aggggcacaa	tgttcacact	tgggtctctg	tctttcttga	atttcatggg	tttagcaaat	9840
tgtatcttat	atcttgggtg	tcttaggttt	tgggctaata	tccacttata	agcgagtaca	9900
tattgtgtga	gttcccttgt	gattgggtta	ccctcactcag	gatgatgtcc	tccaggtcca	9960
tccatttgcc	taggaatttc	ataaattcat	tctttttaat	agctgagtag	tattccattg	10020

tgtaaagtga	tcacattttc	tgtatccatt	cctctgttga	ggggcatctg	gattcttttc	10080
agcttctggc	tattataaat	aaggctgcta	tgaacatagt	ggagcatgtg	tccttaccgg	10140
ttgggacatc	ttctggatat	atgccagga	gaggatattg	gggatcctcc	agtagtacta	10200
tgtccaattt	tctgaggaac	cgccagactg	atttccagag	tggttgtaca	agcttgcaat	10260
cccaccaaca	atggaggagt	gttctctctt	ctccacatcc	tcgccagcat	ctgctgtcac	10320
ctgaattttt	gatcttagcc	attctgactg	gagtgaagtg	gaatctcagg	gttgtttttt	10380
attcttaatg	agcgtcttca	tgaggtaaag	aactttctgc	attaaaaaaa	agtttcaacta	10440
tagagaaaac	tattcttggt	tggggcttaa	atttgttttt	attaatattg	tacagtgggtg	10500
gtggtgggtg	gtgccatagc	acatgtgttg	acctcaaagg	acaactttgt	ggaattgggt	10560
ctgtctttct	gcctgtactt	tgtagggatg	gaacttagac	ttggaaggcc	ttgacctta	10620
ccaccaagcc	atctcaacag	cctgaggggg	gaaaaacat	tcttaacatt	gcctccctct	10680
gagttttgaa	gttaacagtt	taataacttt	gaaactctac	ttttctacat	ctgacatctg	10740
tgtgtgggta	tccttttgga	cagcagccaa	tattcccatc	tggcctgtgt	ttacaaagca	10800
agactctgag	agtacactat	tagagaaaag	aagaaacatg	tttaaatgat	aatattccat	10860
ggttctaaac	aattttttat	ttttcttcat	ttttaaaaaa	attttaaaaa	tataatataa	10920
ttacatcatt	ttcccccccc	ttccccaaaa	tcctgtacat	cttctgcctc	gctctctttc	10980
aaatttgagg	catttttttc	attagctatg	gttatatata	tttctaaata	caacctgctg	11040
tgtgtgtgta	tagttttact	catgtgtacg	ttttccgagc	tggccatttg	gtattggata	11100
accagttggc	acagtcaccg	ctttccgtag	ttgcgtatag	ttcatgggtg	agggatgaag	11160
ccctgagggt	tttctccttt	ctcctttgtc	tcttgttatt	gtctttcttc	agctcacatt	11220
ttggcagtta	tgctactgag	actttatggg	tgtaaattct	gacattacta	ggaaatacac	11280
tctcacagca	aacaccctgg	tcactctggc	tttgtgatct	ttctgtctca	ttttctcccc	11340
ttccaagtat	gagggcccat	taacaatgaa	cattgctctt	gcaatggaaa	acttgctcta	11400
cttaccttta	ttacctgagc	tcttttctac	aacagactct	cttccttgtc	tgatgcttct	11460
gagtgtcttc	tcttctgtct	ccatctgcaa	gtcattccat	tggcttggaa	tgcttgaaga	11520
ttctctgagc	cctgagtgc	ctggatagtg	cctggctgca	gtagccattc	ttgtttgtca	11580
acttgactcc	catctggcgt	taactaaaac	cttaaaatgg	agggattttt	gcttactttg	11640
aagtgggaag	atctacttct	aatctggatc	tttgaggtag	gaagacacac	ctttaatcca	11700
gattttaatt	ctcatcaaac	ctgggccatg	ccttctcttc	tattagaagc	ctatacaaga	11760
catgaagaag	aaagcttttg	ctctttgcct	gcttgccttc	acctctactg	gcaacctata	11820
taaggacatg	gaagaaggaa	gttttctctg	caattctatt	tcttctactg	cattagggcc	11880
tacttcttca	gaattccaag	gtgtactgaa	aaccatctaa	gtcaaccagc	gttgtgaact	11940
catagattct	ttggacattc	cattttttat	cagacattgt	tggattatct	ggatcacaac	12000
ctgcctgcaa	gccatatata	tatatatgga	gagagaggga	gggagagaga	gaaagagagg	12060
gagagagaga	aagagaggga	gagagagaaa	gagagggaga	gagagagaga	aatattcatt	12120
ttctaagttc	tgttacttta	gagaacattg	actaatatct	tggccatgac	cacaaggatg	12180
cattgaatgc	tgttatatta	ctgtttttaat	attttttttc	agtaaaatgg	taggcatacc	12240
accagaaata	aagtgggaata	taaaacaaga	agtttgatct	tjatttgaaa	agaagatact	12300
ggaaatgtcc	ccagatatta	ctgagggtacc	acaaactgag	gtaccacgct	ttagagttga	12360
ttagccttac	aagatagttt	cagtgtgttc	ttttactaag	acagtatctt	cagtccccaa	12420
tattagctaa	cacttccacg	gtggaaccga	catctttgtc	tagccctaaa	accttctgac	12480
cttaaaagcct	cagtcactct	tgatgcttct	ctttttctca	cctatatggc	tgatcagttg	12540
ccaattgttt	cttcaagtgt	cctgtgaatg	gtcttactgt	ctctcctctc	tctctcttgc	12600
ttcccccttc	tgaactctaaa	caaagattta	tgtatgaaca	tctagaagac	attgattcac	12660
tgagtgggtaa	acctccatta	tacctcttct	ccagttacac	acacacacgg	acacacacac	12720
acactgacac	acacacacac	tgacacacat	actgacacac	acacacacac	tgacacacac	12780
actgacacac	acacacactg	gcacacacac	ataactgac	acacacacac	actgacacac	12840
atactgacac	acacacacac	tgacacacac	acacacactg	acacacatac	tgacacacac	12900
acacacacac	acacactgac	acacacacac	acatactgac	acacacacac	acactgacac	12960
acacacacaa	tgacacacac	actgacacac	acacttatac	acacttacac	acacacactt	13020
ttcacactgt	tttggcattt	taactgtttt	gggatgaagg	gcactgcaac	ctcattatcc	13080
ctctgcctgg	cactaagcac	attgtttgtt	gaatttgaat	ttcagaaaac	actttgtctg	13140

ttggcactgc	cccttcagct	ttcccatgcc	tttgcatttc	tgaggctttt	tatctgagcc	13200
tctcaggtgc	ctactcaaag	aactttcagg	tcaaagtgtc	cagagctata	aaagccactt	13260
taagtccccc	atccctagga	agtctccata	tctgtagtca	gttcacatga	tgctggctct	13320
cttaacactc	atgttacacc	agcttctacc	tgagtggggg	ttttgacctt	ctaacttatt	13380
ataatgtctt	tagcttgcac	gggtcttttc	ctaagtggat	cctcttacaa	gttctccaca	13440
gtctgataga	aagactcaaa	aaagccagta	tgtatattgg	aggagcttgg	tgtttatggg	13500
atggacagtt	gagatgtagt	ttgaacttaa	gtattccatc	ccattaatag	agatgaatac	13560
aaattttaata	agttgtctgt	tgtaataata	taatatctgt	caccacagat	gatgggcaga	13620
tataaagtca	tgcaattttc	aaacctaa	ctgtctgtta	cctcagaagt	gataatggca	13680
gtcaatgtga	agaataattg	atcatttaca	atgtatcatc	caagcaccca	caagcacttc	13740
tgtacacctc	cagactcccc	catcactcca	tacaccccag	actccccatc	actccataca	13800
tcccagactc	cccagaccct	gcttgccatg	ctacaaagca	gtctgttctt	ccttctattc	13860
actgtacttg	acttttgctt	tcctaactat	aagggtctca	agtacatatt	cgtttagagg	13920
aaaaaaaaatt	ggttctcact	aagaactcca	aggacaaagg	tcataatttg	attgcaaaga	13980
gttttgagac	aagtttatga	tggaggagct	taaggtatct	gtgctggcaa	gcttgcaagc	14040
attgaaaagg	aatcactctc	caccaatgga	aactcttgct	tccaagtggg	cctttgtctt	14100
aagtaagtct	taggataatg	attgtctact	ttgtgactag	ctcatctctg	tgtggcctta	14160
acttatagga	agttctttct	caagtttctt	tttatctaaa	agaaaaggaa	tccaacgggg	14220
agccagactc	atgggtaaaa	aattgtgcgt	gtcattttatt	atctatctaa	caaacttctg	14280
agaccttaca	tgccagtaat	gagctgtaag	tgatcattat	aggtgactag	gatacaactc	14340
ggatacagga	aaccacataa	ggcaactaga	aaagggttgt	aatgaatgta	aaagagttta	14400
aggcttttaa	caagacatat	atgatgccat	actaatcttt	aaaaacttac	aaagaaactg	14460
aggtaaagtt	aacttacaaa	gaaactgaga	taaagttaaa	aaaatttatt	tttacaaagt	14520
aaaatgagat	tagattttcg	caaccaccat	gagttcctgt	tcattgaaaag	ggcatgggtc	14580
attatgtgac	cgagaggtaa	gagagaccag	ggcaggaaaa	gcattaaaagg	ctgtcctaag	14640
aaaaacttga	cttgaaaaca	atagcacttg	tgttttaaaa	taattaccct	ggctgctgta	14700
ttgggaatca	aatgtcagat	aatgagatta	ggtagggtct	tggaatccta	ctatcagaaa	14760
ggtgcagaaa	tcaccacagg	agatgataat	gtcccagatg	gtacggaatc	tctgggggtg	14820
tgagaagtga	ttaggctctg	aagatcagtg	aagagacagc	ctataggact	agctgatgaa	14880
tcagacgcag	ggtgagagaa	gagtgaagaa	tggttccagg	attgatgctc	tctgcctcaa	14940
caaggctggt	gtagagggag	ccacaaaggg	ggagccagca	gtgaggaaga	tgcactaggg	15000
tagaatgaga	agcaatgaga	atcagaatta	tggtgatgcc	acaggaaaagc	agaagggaca	15060
gggaccatct	aagatgcaca	gtgggcgtag	aagcaagagg	gtgggaggaa	agtatggaat	15120
gactccta	attctggcat	gtgggtggtg	tggtggtagt	agtagtagag	tagtagtagt	15180
agtagtagta	gtagtagtag	tagtagtagt	agtagtagta	gtagtagtag	tagtagtagt	15240
cccttggggtg	gctaaagaag	aagggaagct	gagccagtg	tgagtggccc	aggtagccta	15300
ttcatcacta	gaactctggc	tcttgtcacc	ctgtcactgt	ccaaaagtga	gaacgttggc	15360
aagtgcaca	tactgtgcgt	gaagacaata	acttttcaag	ttatgcattt	tgtaagggaag	15420
acttacatgg	tccagacatg	ttgcaatcag	tacctcaggt	ctgttgcttc	ccactttggt	15480
cttcccatct	ctcatccctg	atgccatgca	ggctgtggcc	tacgtgacca	ttaagcaggt	15540
ccaatctcta	cctccagctt	tatactgtct	gcccctccac	atcttgaggga	acttctctgg	15600
gcactctagc	aggcatttca	gatctaattg	atgttccatg	ccctctagtg	tcctaattgac	15660
tccatcccta	agcccaggag	gtctgtatct	cctttttaatt	acctatactg	tcagcaatgt	15720
cctacaggtg	tttttttggc	ttttttttgt	ttttgttgtt	gttttgtttt	gttttcaaaa	15780
acatagctct	aagaaaatgg	gctagtctat	aacagatcag	gctttattgc	tcacacaact	15840
cgctgggttc	tctctccaac	cttatctjaa	ataccggatg	tggtgacat	cctgtagtct	15900
agtaagtgga	gactgaagag	cctagaaatg	ttaagagaga	atctcttctt	tcaaaaagaaa	15960
caagcaaaaca	gacgggagtg	ggcagatggt	gaggcaagtg	ccaccaacag	gcagtgaagc	16020
ctcagcaaac	atcaccttct	gaccttaact	ggttactctg	tttagctttg	taaaatgtga	16080
aggggttgga	caaagtttaa	aagactcgtg	tctccctttc	acagcggtaa	caattggcaa	16140
caaagttctg	gctggctcgg	cttgccctct	acatccacag	gtctgactgg	caggaaagag	16200
aaagaacgct	ctgctggtga	gcgaagaagc	tggatttgga	aagtggtag	acctggagta	16260

aaatccaagg	tcacccctctg	tgtcctgcag	getgcagcgt	gtcctataat	cagagtgccct	16320
ttttttttca	aattattttta	attatttagaa	tgtgtaacta	ttagaatgta	aaagcttttaa	16380
gtatgcaaat	aaaaagttta	aaaccttggt	atgggtgagat	agcctagtga	gtctagattc	16440
ttattgagcc	agcctgggtga	cctaagatct	attcctaaac	ctcacacaac	atgaaaggag	16500
agcaccaact	tcataaagct	agcttccaga	tgcataccat	ggcaacttgct	cctacacatg	16560
gctttgttgc	caataataat	aattttttttt	aatattttcag	aatctgaaaa	agaaaagaaa	16620
actgaaagac	tgtcttttaga	gtttgaaaga	caacattggt	gagataatta	tggaactgct	16680
gagtcaatgt	aattcctagc	aaagcacacc	agttcctttt	gtgcagaata	gacaagtcta	16740
ccctaaaatt	catacagaaa	ctcaagagag	agaaattcaa	gggaaaggag	gaggaagggc	16800
cagagggagg	gggagagaga	ggacttcaga	aggaacaaag	ctgacggcct	tacttcttaa	16860
tttcaaaact	ttcacaaaagc	tacagtaaac	ggcactatgt	gatgggggca	gagaacagac	16920
acagacctga	gcaacatgga	tgcaaagtc	aggaatacac	cccacgttta	tcctccagga	16980
tgctgggata	attctacaga	gaaaggacag	tttagttttt	taaaataaat	ttattggagt	17040
atgtgcaaaa	gaaccttgct	catacacaaa	aatgaactca	aaacagatta	gagacccaga	17100
tatgaacaga	acagacttag	ttcttatgag	aaaatgttag	caagtaataa	acacattttg	17160
cttattatac	aatgcaatat	cttcccatta	tgaaagggaat	aaagtattga	tgtgtgctgc	17220
acaacagata	aaccttacat	catgctcagt	gcaagaagca	agccacaaaa	ggccaagggc	17280
tactcaatgt	catttctatg	aaatgtcaac	acaagcagtt	gaccaacaca	gatggacacc	17340
tgccaggatt	ctggaaaaag	gaaggggaaa	tgggactatt	tctgagtga	tatggttcct	17400
tcttttagtg	gtaattaaga	tttgccaaat	taaatagtgg	tgttgggttag	ccaactctat	17460
gcatatacta	agcagtccaa	ctgaatgaat	agtgtgccaa	gagtttacat	taagttttata	17520
cggcctgctt	ttgtgtgtta	acaacatttt	aataaagctg	ctgaacattt	aaaaataaat	17580
ttaatgaaca	catcttttaa	acctccaca	gatcacgccc	tccactagcc	cagcaccccta	17640
gtgcaaatgt	atacagtgcc	ctcctaaggc	tgogttgcag	ctcatccttc	caaagcagtc	17700
tactctctaa	ccaaagcacc	gtcctctcta	aaaatgcaga	caaagtcccc	ggggctccag	17760
agcgaagccc	tccaccggct	tactggctct	gctttcccg	gctgaggcg	tgacgcttac	17820
tctggcta	aaagcctcaa	gacagaagg	ttgacagcag	tgtgtcttcc	cagctggctt	17880
caaacatgag	cactctgtgg	atgcagaaaa	cctgagggtca	gaagtgaaac	aggagatgga	17940
gccacactga	gctagagcag	ggcctgccag	tcatacctcc	tgccccctag	agcaggggcct	18000
accacacctc	ctgaccccg	cagacctgag	agctctcata	aaacacagac	accaccccaa	18060
tcaaaatggc	tatcgtcaag	gaaacatcaa	aaacaacagat	attgggcaaa	atgcaggcaa	18120
aattaaccct	tgacacactgc	tgatgggagt	gtaaatagat	acagccacta	tggaatatcag	18180
catggatatt	ccttaataaa	acaactaaaa	ctggcaccac	catatgatcc	agctgttccc	18240
ctcctccaag	tatacccagt	gaagtctacg	tcagcttcca	aatattcata	tatccatgct	18300
tattgctcta	ccattttatag	taagcaagtt	atggttgctga	cccagggtgct	cactgataga	18360
taaatggaat	atatatacat	acatatgtat	atatgcatat	atgtatatat	acatatatat	18420
gcatatacat	atatatacat	atatatgcat	atacatatat	atatatatat	atgaatgatg	18480
atagaacatt	agtcagccat	aagggaagaat	tcaatgccat	ttatagaatt	gctaattgag	18540
aagggggcaa	tgaggagatg	ggggaagtgg	cagatccagt	aaatggacta	aacataaccc	18600
aaagtacatt	ataaacatac	ctgaagagtt	acaatgaaat	ccattgtgta	agacaattaa	18660
cagtttagctg	ataaaaagctt	ttataacgtg	gaggtaaaaa	ttttcagcat	acagactcta	18720
ctaagcttct	ttgaggtata	tcttagaaca	agtaataaaa	attaaactca	atttaatatg	18780
tccaaaagaa	taaaaagtgg	gtcagtcacg	gtgacacttg	cctgtaatcc	tagtaactga	18840
aagtgggaagc	aagatcagga	gttcaaaagtc	agcctatgct	atgtaacata	gatagaggcc	18900
agcctagaca	atctgagacc	ctgcttcaac	ccccccctcca	agaaataagt	aatttgaaaag	18960
ctaataatta	gaaagctcat	taagagacaa	accatacaac	aggcacgttg	ggggtggcag	19020
cactcaacag	cttcatgctt	tctgcttagt	caattaatac	atattgatac	accagctctg	19080
gtctcctgag	ccctgttctc	cgggatcacg	ctccggcagat	tccagtcacg	ctacagatga	19140
tggtttatta	ttaggtaaac	aagactgatt	ttggtaactga	ctgagcttta	gaaagtgaag	19200
tgagggcccg	caaggatacg	gatgattgac	agtgtgggtg	gtgtgtgctg	tccacccctg	19260
tctccagaaa	aggccatgcg	aggagcaaga	ajagcagctc	atttgaatcc	agaaagagtg	19320
tctgtcttct	ccttgctgtg	cataataagc	tcttctccag	aaaagcaacc	cgcagcctct	19380

cttcttgtct	ttgtctctcc	attgtcactt	gcctctccca	taagattgga	ttctgagtc	19440
ttaccctgct	cttgggatga	gttaaactct	cagagactga	aaaagcgcgc	gcggagccct	19500
gagactctca	attgtctggt	tcagattgac	acagaccatg	ctgctcctgc	tgccgatact	19560
gaacctgagc	ttacaacttc	atcctgtagc	aggtaggaac	ggaagatggg	agggctcctgg	19620
ggacgatgag	caggtggtgg	ctcctagcca	aagccggaaa	tgagtatctg	tgggcattct	19680
tttagaggga	gtgtggttac	tggatatttc	aagtagcgaa	agaataactt	tccagggtat	19740
tattgatcca	tctctcccca	ctacccaatg	cttgcaatga	attacatgtg	tctgaacgaa	19800
ctaagaggcc	gcttccttta	atgtaagggtg	ccaagcagct	acccttttgc	cctctatcag	19860
ggacagtga	tgaggcaaac	atagagcact	tcgttactca	tgtgagtttt	ttttaacaag	19920
caatggcggc	agccactggt	catttaatac	cataacgtag	acttgaattg	gaaactcgga	19980
gacaatagac	ccccaatgaa	aactcagtc	gaaggctatg	cctttgaact	tgatgggaca	20040
taccgtggag	gatgtggttt	agaagggaga	aagttgtttc	agaattgatt	atttccttgg	20100
ggaaggcatt	tcagatcact	ggtgtgtgcc	atcagggtcg	cagtaccaag	agaacattgg	20160
gtttaaaaaa	aaaaaaaaaa	aaaaagcaac	agttgtgggg	ctaagggtgt	ggctgctcca	20220
cagcaggagc	gtgaggcttt	ccttgagggg	aatcatggga	aagtgggtact	ttggcggttg	20280
atagcctttt	gataagtggc	tgtctcctct	cccatctcat	tctgtccggg	gggtcagccc	20340
acgcttctct	tccacgcttc	tcattctttc	cctgtgggct	gcttaggaaa	tgaaggagct	20400
agggaaacag	ggatggcaag	ttttggtttt	gttgttttaa	tatttttggt	ttttgttgcg	20460
ccgccccgcc	gcgccacccc	cccccccaac	acacacacac	acacacacac	acacacacac	20520
acacacacac	acacacacac	acacactggc	actctctgta	ggggaaggac	tgtttctttt	20580
aagaaaagca	gcactaggca	atcacagtct	ttatgagctc	tgacgtatgt	tgagggagcg	20640
ggaaggatgg	tggaagcaag	gtatgcttac	attcacacaa	ggacggatat	gtggcaatgt	20700
gcaaggcagc	ttatgtctca	ttcagtcttc	acaacactca	tttggcaagg	agagaggctg	20760
agacatggga	aggtgtttca	atgtgcccga	gatgacatag	ttagttaacta	ggtggcatac	20820
gaaagatttt	cacacgtgta	tatcctttct	gcccttcccc	tgccccctatt	atagtgtctaa	20880
cagtactaaa	taaattatga	cagtagacaa	taaattgtga	atcgtctaac	tgggggtggg	20940
atttttacat	aagtttttaa	atggagatat	atatttttct	gttttccaat	tagatatattt	21000
ctttatttat	atttcaaatt	ttgtctcctt	tcctctccaa	aaacctctct	atcccccccc	21060
cccatgctaa	cccacccact	ccctgtcctg	ccattctcct	acactggggc	attgagcctt	21120
cacaaggtea	agggcctctc	ttctcattga	tgtcccacaa	ggctgtccct	ctgctacata	21180
tgcggtgaa	gccttgagtc	cctccttggt	cactcttggt	tgggtggttta	gtccctggca	21240
gctctggggg	tactgggttg	ttcataatgt	tgttctcctc	atggggctgc	aaacctcttc	21300
atttccttgg	gtcattttct	tagcttctcc	attgggaact	ctgtgctcag	tccaatgggt	21360
ggctatgagc	ctccactccc	gtaactgtca	ggcaactggc	gagcctctca	ggagacagct	21420
atatcaggct	cctgtcacca	agcaactgtt	ggcatccaca	gtaatgtctg	ggtttgggaa	21480
ctgtatatgg	gatggatccc	caggtgggac	agtcactgac	tggccttttc	ttcagtttct	21540
gtcccaaaact	ttgtctctgt	gtctcctccc	atgggtattt	tgatccccct	tctaagaagg	21600
actaaagtac	ccacactgtg	gtcttccctc	ttcttgagct	tcatatgaat	ctgtgaattg	21660
tatcttgggt	attctgaact	tctgggctaa	tagccactta	tcagttagtg	catatcatga	21720
ttgttctttt	gtgattgagt	tacctcactc	aggatgatat	tttctagttc	catccatttg	21780
cctaagaact	tcctgaatca	atcattttta	attgtgtagt	agtaactccat	tgtgtaaaatg	21840
taccacattt	tcttgttcaa	ggacatctgg	gttctttcca	gcttctgggt	attataaata	21900
aggctgctat	gaacatagtg	aaaatgtgtg	ccttattaca	tgttggagca	tcttctgagt	21960
atatgccag	gagtgggtata	gctgggtctg	caggtagtac	tatctccaat	tttctgagga	22020
actgocaaa	tgatttccat	aggggttgta	ccagcttgca	ttcccacagc	aatagaggag	22080
tgttccatat	ccttgccagc	atctgctgtc	acctgagttt	ttgatcttag	ccattctgac	22140
tgggtgtgag	tggaatctca	gggtcatttg	atttgcattt	ccttgatgac	taaggatggt	22200
gcacatttct	ttagggtgctt	ctcagccatt	cgggtattctg	gagatatggt	ctaattgtga	22260
ttctgagcat	ttcacaaaac	aaaacatatg	ttatgagttg	tgttgatgaa	ttataaaaaa	22320
gaaaacccaa	acagcatggt	ttgtctcgctc	agtaaaactta	gaattcctgt	ctactctttc	22380
tttgcaaaa	atttttatta	aaatgagttg	taaattagaa	cgctctcttg	tgtgttttaa	22440
ccgcatcggt	atgtgtcttt	ctaattaagg	tatttttgatt	tcttagaaa	ctattgggtg	22500

ggcacctaga	aaacaaagct	taggaatgct	ggtgggttatt	caatgggtgat	tgaaggggaa	22560
aaggcctggg	atagggagga	aaagggaaac	tacagtatca	ttgtgtgttt	gtttaggctt	22620
ttaaataagaa	actgcgcat	caggtattat	ttacaaaata	caaagtacaa	aaattttaaag	22680
aatataggag	agttttttaa	agatcctgag	agtagggggg	ctatgatact	cattgcctga	22740
gaggactccc	tggttatcac	gggggcgggg	atgatgaccc	caattctgta	attgcttggg	22800
gtgtagccct	tgaccctgat	cttccctgaa	caaaacagtt	cctacccagg	agttatccgg	22860
atatgattcc	tcattaccct	ctatgcataa	atttctaggt	ttaaattttta	aaaaatgctt	22920
agcggatcat	ttagtcgtta	cagacagaca	gtagcattcc	taatgctcta	aaatagagaa	22980
atcacggtcc	acggcaagga	tatgttatta	taagcatgga	agtaaataca	caaacaagct	23040
gctgcatccg	taaaacaccc	aggaggaagg	atgacacaca	gcacaatgcc	tttttcctaa	23100
gtctgctggt	ggagcatccc	tcaataatta	ggtgaagctg	aaacaagcaa	gacatcgaga	23160
agcaccgggc	tcagtatcag	ttacctctgg	aagcagtaga	ggtgtcatta	gttatgctct	23220
agttcttgga	tgaggggtgg	gctcctggat	gctcatttta	cttacaggaa	ttgcgttaat	23280
aactctccta	taaatcaccc	tgctgtaaga	tatgccacgg	acaccgaaaa	ccacacaaaa	23340
cagatacaaa	cttgacctga	ccaaacactg	ctggaaatac	ccccagagtg	ttcatcgccc	23400
cccacccccca	agaactaccc	ctctacagcc	caagcaggct	gctcctcaaa	gcctgtctca	23460
tgtcctcatt	gttacggccc	tgatcttcat	aaaaacaatt	ggctaccgat	gattaaaaga	23520
aatctttttt	tggggggggg	ggggtgtttc	gagacagggg	ttctctgtat	agccctgggt	23580
gtcctggaac	tcactttgta	gaccaggctg	gcctcaaact	cagaaatctg	cctgcctctg	23640
cctcccgagt	gctgggatta	aaggcgtgtg	ccaccatgtc	cggcttttaa	agaaatctct	23700
taaagcattc	agacagtata	cgttctttgt	agattccaag	tcagcaaata	gaagcaaccc	23760
caggtttttaa	gcaactatat	attttactga	acacactata	gtctatttac	ctagttgatg	23820
ggcattgcag	ctatttcagt	gtctgggcta	agtgaacccc	tgcaagactg	tagagaagcc	23880
tgaattgttc	tgatttcatt	atccattaat	tatcaactct	ttccttatgt	atattctgta	23940
ggtatactgt	tgtgttttat	taaaaaaaga	taaagaagcc	agggatatgt	ctgatggagg	24000
tgtggtatgg	tgtgggagaa	gggggtgcct	ctgtgggccc	atgctgagac	atcccttccc	24060
tttgagggac	cagtcatact	atggtatagc	atagaataga	gtttattcag	ggcatagggg	24120
ggggagttga	gggggtagta	gagacagaga	aaggcagaga	gcgaaagaga	ggaggtgtgg	24180
gagaggtagc	aggagagggg	gagaggaaga	aagaggagga	gtagaagcca	gtcatgaaca	24240
tatggagaga	agagggggag	gggaatgagg	agagaaagca	caagagaggg	tagagaggaa	24300
gagaagagca	agagcaagag	agaggagggg	gcaagcagcc	ccttttatag	tgagtcaggc	24360
acacctggct	gttgccaagt	aactgtgggg	cagaacctga	agaatacatt	tttatattaa	24420
aagtattttaa	gttttatattc	agtaaaattc	accttttcac	taagggaata	ataactgtgt	24480
attttgacaa	atacatgggc	atgtaatggc	ctctgcaatc	aaagtgggat	tagatagtct	24540
ttatgttaatt	acttattttt	tattattaat	atacattaga	ttatattggt	tagtgggaatt	24600
cactgtgata	tgcccacaca	tgtgcacagc	atagtctgca	gacacttggc	tatctgcctt	24660
ctttctctta	gtgtaatgca	tttgagggtc	atgctgtgtg	cagtctttat	caatggctta	24720
tttctgtttg	ttactgagcg	gtgtgtgctc	tgtgatccag	tcgccagttg	tagggcaact	24780
gggctatttc	ccatttctgy	tgagttttaa	taaagtgtgt	atagatgttt	gcaaataagg	24840
ttctgcatgg	acatgcattt	tggacttggt	agctatatgt	aatttctaga	ccctgtggcc	24900
attataaaaca	aatgtatagg	aaattcttag	atttccatgg	cagttgtacc	aactttacac	24960
cgtcacacagc	agtgtctgaa	agtttccagt	ggccctggta	gcaacattgc	cgtgtttggc	25020
ctctgttacc	cccacagatg	catggaaata	ccttgcctgt	gttgtagctt	tcagttttcc	25080
agtggccaat	gatgctaagc	acattttaat	gtgcttattg	tctaatoxog	tatcttctct	25140
ggtaaactac	gtatggaaat	catctaataa	tttttaattt	gggttctctg	ttttctggca	25200
aagcgtcgag	tattccttat	ttatctgaga	tataagctta	ttataaggta	tatggcttat	25260
ggatattatc	tctcagcttg	ttttccattc	tttgaacaag	gcttccatgga	catactccat	25320
gtggctctgac	ttaagggtgt	catgtttcgt	gtcccacact	tttgatctct	cagcagctca	25380
aatcgaaagg	attcttttct	aacatctcat	agctgttccac	gtacacattta	ggtctgtaat	25440
caagtttgag	ctagtgtcta	tacagcatat	gggagtgcac	gtcaaaagacc	taacaatgtt	25500
caccacactgc	ggccccactg	ttctccgtca	tttcttcaga	gggaagcacc	tttgactctt	25560
tatcacaaaag	caatagttca	tagttgtgtg	ggtccactga	ccctccttaa	gctaattttg	25620

aatcttttgg	ccgtggcatg	tgcccagctt	tttgtgagta	tcctcttctt	ttgattcttg	25680
taactttaca	gttaatttac	tttttgtgtc	ttttattgca	aaatctaaaa	ctatcttgta	25740
gtccagatgt	attgaacaga	tagtatttat	ttttatat	atgtcttcgg	cagaaacaaa	25800
cccgtaactt	gtatcatgga	ggtttccctc	ctttactgcc	ctttatcttc	cagatgtgga	25860
cagaagcagg	taggggtgga	gagggagaat	ttggccatga	tgctgcttga	aggactctgg	25920
tgcaagcac	acccactca	ttctgattgt	caatgactct	tgatatgtat	gagtatgatg	25980
gctaataattg	ataattggct	tgcgattcag	aaccaccaag	aaaacatacc	tgtaagtgtg	26040
tctttgaggg	tgtttccaga	aatgttttaac	tgagcaagag	agactcaccc	tgagcgtgga	26100
tggcactgtg	ctgtgggctg	ccatcttgga	ctgaataaaa	gggagagagt	aagttgaaat	26160
gagtgtcctg	actgcaggcg	cagtgtgact	gctcctgctg	ccaggccttt	cctgctgtga	26220
taggctgtac	ctccttgaac	tgtgagccaa	ggcaagccaa	gcccttcctt	cctcatgttg	26280
cttcttgtca	gctattcctc	cacagcagcg	atgcaaacag	gaaataagac	agcaaaggaa	26340
tggaccctgg	ccagggtagg	atttctacag	tgaaggatgt	cctgtgagat	gctcacacac	26400
agagccacag	agcatgagtc	tagttcacag	aacagttttc	tgaagagtag	ggacttttgtg	26460
aaaaacctcc	cagtcccttc	tcatatttta	agtacactgt	ataggaaggc	aaaaaagaaa	26520
agtaaatttc	tggtgttcaa	tagaaaaaag	ttcaaaatta	gcctaacaag	gaaactatct	26580
tgggagagaa	tgcaaatgat	ttgttttgtg	tttccctggag	atgtgacagg	tgccagctgt	26640
caccaaggcc	tgttttcaaa	atgctaaatt	gacctcagga	tcaaaaaaaa	agactcccaa	26700
attatctaag	ttgggtgtcc	tttgatcgct	tcggaagtcc	aggtctagat	tgaagcttaa	26760
tttagttcct	gcacagcaaa	tgaatgttaa	gagaaaacac	agttacctta	ccacaaagcc	26820
aaacgtttac	ctgcctcagt	cttaggtgct	gtctactctt	gctggcagta	gctggtagag	26880
tcgcagccga	gtcatcagag	cagagagagg	agagcgaatt	atagctagag	atgaatttgt	26940
gttccatttc	catagacacc	actcagtggc	cttaagcaaa	ctgttcttct	taaaacctgt	27000
caaatacgaa	cagtatcacc	tactaaggag	ggatgacaga	ggaccaatca	gaggatagaa	27060
gagtccttgg	gtgttgggac	cagtgtgttt	aataaagggt	aactatcact	ctttccccag	27120
ttacacagtg	tcctaagtct	gcctcacaga	tcctgggttt	taggtttggg	gcaagcctga	27180
gagactgtgt	ttctaattag	tgctcagggt	acgctgaaag	caacgtttca	ggtggcaagg	27240
tggctgctgg	tgtttgcaac	tgcaatgttt	tgatctgcct	agttagaact	attcaatact	27300
gtctgcaagt	tagaagctcc	agggaaacgg	caagacgaat	gtctgcttac	cccaataata	27360
acttcatcta	aagaatgcga	attaggggtt	gggcattaat	atttttttct	aagaaaaaaa	27420
aaagtctttg	ctatggtcta	tggtctagat	atatgttccct	caaagggttcc	tgttccctta	27480
tacctccagg	gcagtgggtg	aagcttttaag	aggtagggtc	taacagaagt	taattaaatc	27540
ccaaacgtcc	acactgataa	aaagagtccc	atctgtcttt	gaagagtggg	tagttataac	27600
gggaaactac	cccaagagta	tggccatccc	tttctgtctc	ttcacacagg	cagggtctgtg	27660
tgctggcgcc	aagcttcttg	gagccccacc	caccagaatc	ttgaacttca	gtacacagca	27720
cacaggtatt	ttgttaaagc	aaccatgagt	gggcagaggc	agtgtcccag	aaggctcctg	27780
tgctcagactg	gctgaggcct	tctgcttggt	tagtctaacc	cgctgacagc	cagccctgag	27840
aaagaattgt	gtacagaatc	cattacaagt	ggtttcattt	cctctgtgat	tcacaaaaaa	27900
gctgaaagtt	atagaatttc	aaacgtatgt	tgcattctct	aaactaccca	ttttgtgaga	27960
aatcaagccc	aaagcttttg	atgtcttgga	agctatacct	gaggtgaagt	tagtctaagt	28020
aacaagtctc	agtcatttgt	aagtattccg	atgcacgggt	tgctcaggta	ttgttctttc	28080
ctcttgtaaa	tactaccccc	aagcccccaa	aagtcaccta	tctgaaaggt	aaaatgtatt	28140
tctaaagctc	aaggcatttta	ttctgcaagg	ggtgggggtg	gagtgggggt	gaaaaaaaaa	28200
gagaagccat	gtgtttataa	aagggtgggg	caggggatga	gggaagtctc	gcggtaataa	28260
caggggagtt	ccagaggaag	ttatgggctc	tctctctctc	ctcatgagaa	aaaaaagata	28320
gagcggtaaa	cagcttagct	gttaacacat	ctccaaatct	accagccag	ttatcttctc	28380
tgcaactctc	tctttccctc	tcaccacctc	tctctctgtt	ttccgttttg	gcatctgaaa	28440
tttaaaaggg	gaaacagact	ttagtgtag	ttaaattccta	agctaaatgc	tcagaaaaata	28500
gcttagtata	tctttgatga	gggatgatta	tgtctccctc	ccctagggga	gcgcagaggt	28560
ggattttgaa	caaagtatct	tttagttaca	agtgaagtga	gggttttagag	atgattttctg	28620
atttagtcac	ttttctccct	ggctggtacc	taagtaacag	cctggcagaa	gcgaccttag	28680
ggagaagggt	tcatttttgt	tcaccattgg	agaggacaca	ggagtcacaca	gtgggttgga	28740

aggcgcggta	gcagatgtga	ggcagctgtc	acatcaggaa	gcaggaagaa	agggatgctg	28800
acgctcagct	aactttctcg	gttttactta	acccaggacc	ccagtcctatg	agatgctgtc	28860
actcccaggc	ggatcttccc	tgctcagtta	agactcctag	gtgtttcaaa	atccccatcga	28920
attaagactt	aatcatcaca	gttctcctaa	gaatggatct	aaacactaag	tacataagaa	28980
cttgttattt	cagcatgcaa	aggactctac	agaatggaat	catacaggaa	ttcctgagct	29040
acatcccttt	tttttttact	agtatgatcc	gagggctctt	tcagcctgat	ccagcaagga	29100
cacgcatgat	ttacattggt	ttgcatagaa	gcatatacct	tagagccttt	ctcctgggcc	29160
ccatgttaca	caaacaaatg	ctgggcatgt	gtgcatctcc	tcacactac	agatctgtgt	29220
aaaatgtgca	ttaatgttct	agttgtagtc	aaagcagaga	atggaggtaa	taaactgtcc	29280
agtcattttt	ggtaaagctc	atttgtgaaa	atcactgtct	ggtatgctgg	gtggtaaccc	29340
acagttgctg	attcgtgtgg	tctcttgtag	agtatgcctc	agggagaagt	gaatgcaggc	29400
aggctaggag	tcttctcacc	acgctccctt	ttccctccct	gctcctccag	aagtgaatt	29460
aatatttttg	atacttgaaa	aatgccaaag	caagcaatct	tattcatttc	taaggtttga	29520
aggataatgg	aagtttgaat	taaaagagac	tggcaagctg	agtatggcca	cacctgggcc	29580
accccagcac	gcaggaggct	gaaacaggaa	aggtttgagt	ccaagactat	acagaactat	29640
gtaacaagac	cctgtcttat	aaccaaagat	gatccaaaag	tgaattgcaa	tgtgaacatc	29700
agccagcagg	aaaacaaaaa	ggtttttgga	gtcaggccag	ggaacagaca	accttccctgg	29760
ttaattaaaa	tattctgggt	tgccacagtt	gtggtgggca	cctagaatct	gaggactcag	29820
aaggctgagg	caggaggagg	acgagctaac	agcctgggat	acatagttag	acctgtcag	29880
cgagagaaa	aaaagagaga	aaggagaaa	gacgaaagcg	aaggagagaga	gggaagaggg	29940
aagagaggga	gggagggaca	gactattctg	gccaataaag	tatgactgtg	cattccctac	30000
atgagtacta	ctttcccaag	aattaaccat	cacctgaaag	aacattttct	gagtccttgc	30060
tggctggcag	acacgggtga	tacacgtgct	ccacctgggt	cagattttcc	cacagaacca	30120
agagatggat	atttacctca	tacagacaga	ttcatagaag	ctaaaagcca	gcccctcccc	30180
tgctccaaag	gtccctaact	aatcctggta	ttgttgggat	ttgaactcaa	gtcactaaa	30240
taaaaatatt	tttttaaaag	cccacaaata	tttgatgata	agattatttt	cttgtatgaa	30300
tgataaaaaga	gatctatgga	gtataattca	atccaatctt	tttgtatgat	ttagaaataa	30360
tttccatgtc	ttaccttact	accatcattg	ggatacccat	tcattactca	aggatgcagc	30420
atacagggtc	ccacaatttc	tacatgcaaa	cactgcctag	gctgtttctg	ctgttgcaga	30480
gttattgttt	ttttttaatt	aagtattttc	ctcattccca	aaagtccccc	gtaccctccc	30540
accacccccc	actttttggc	cctgggggtc	ccctgtactg	gggatataaa	agtttgcaag	30600
ttcaatgggc	ctctctttcc	agtgatggcc	gactaggcca	tcttgtgata	catatgcagc	30660
tagagtcaag	agctccaggg	tactggttag	ttcataatgt	tgttccacct	atagttgcag	30720
atcccttttag	ctccttgggt	actttctcta	gttccctccat	tgggagccct	gtgatccatc	30780
cattagctga	ctgtgagcat	ccacttctgt	gtttgctagg	ccccggcata	gtctcacaag	30840
agacagctat	atctgggtcc	tttcagcaaa	atcttgctag	tgtatgcaat	ggtgtcagcg	30900
tttggaagct	gattatggga	tggatccctg	gatatggcag	tctctagatg	gtccatcctt	30960
tcgtcacagc	tccaaacttt	gtctctgtaa	ctccttccat	gggtgttttg	ttcccaattc	31020
taagaagggg	cacagtgtcc	acacttttgg	cttcgtttct	cttgagtttc	atgcgttttag	31080
caaattgtat	cttatatctt	gggttttttg	gctaataatc	acttatcagt	gaggacatat	31140
tgtgtgagtt	cctttgtgat	tgtgttacct	cactcaggat	gatgccctcc	aggtccatcc	31200
atttgcctag	gaatttcata	aattcattct	ttttaatagc	tgagtagtac	tccattgtgt	31260
aaatgtacca	cattttctgt	atccattcct	ctgttgaggg	gcattctggat	tctttccagc	31320
ttctggctat	tataaataag	gctgctatga	atatagtaga	gcattgtgtcc	ttcttacccg	31380
ttgggacatc	ttctggatat	atgcccaggga	gaggtattgc	tggatccctcc	ggtagtacta	31440
tgtccaattt	tctgaggaac	tgcagactg	atttccagag	tggttgtaca	agcttgcaat	31500
cccaccaaca	atggaggagt	gttctctttt	ctccacatcc	tgcacagcat	ctgtgtgcac	31560
ctgaattttt	gatcttagcc	attctgactg	gtgcgagggt	gaatctcagg	gttgttttta	31620
tttgcatttc	cctgatgatt	acggatgtag	aacatttttt	caggtgcttc	tcagccattc	31680
cgtgttcctc	agttgagaat	tctttgttta	gctctgagcc	ccatttttta	tjaggtttatc	31740
tgattttttg	gaattcatct	tcttgagttc	tttgcatata	ttggatatta	atccctaac	31800
tgatttagga	ttggtaaaaa	tcctttccca	atctgttggg	ggcctttttg	tcttattgac	31860

agtgtctttt	gccttacaga	agctttgcaa	ttttatgagg	tcccatttgt	cgattctcga	31920
tcttacagca	caagccattg	ctgttctgtt	caggaatttt	ccccctgtgc	ccatatcttt	31980
gaggctttcc	cccactgtct	cctctataag	ttttagtgtc	tctggtttta	tgtggagttc	32040
cttaatccac	ttagatttga	ccttagtaca	aggagataga	aatggatcac	tttgcattct	32100
tctacatgat	aaccgccagt	tgtgccagca	ccatttgttg	aaaatgctgt	cttttttcca	32160
ctggatgtgt	ttagctccct	tgtcaaagat	caagtgaccg	taggtgtgtg	gattcatctc	32220
aggtctttca	attctgttcc	attggtctac	ttgtctgtca	ctataccact	accatgcagt	32280
ttttatcaca	attgctctgt	agtacagctt	taggtcaggt	atggtgattc	caccagaggt	32340
tcttttatcc	ttgagaagag	tttttgctat	cctaggtttt	tttgtattcc	atatgaattt	32400
ccagattgcc	ctttctaatt	cgttgaagaa	ttgagttgga	attttgatgg	ggattgcatt	32460
gaatctgtag	attgcttttg	gcaagatagc	tatttttact	atattgatcc	tgccaatcca	32520
tgagcatggg	aaatctttcc	atcttctgag	atcttcttta	atttctttct	tcagagactt	32580
gaagttctta	tcatacagat	ctttcacttc	cttagttaga	gtcacgcca	ggtattttat	32640
attatttgtg	actattgaga	aggggtgttg	ttccctaatt	tctttctcag	cctgtttatc	32700
ctttgtgtac	agaaaggcca	ttgacttggt	tgagttaatt	ttatatccag	ctacttcaact	32760
gaagctgttt	ttcaggctta	gggttctct	ggtggaattt	ttagggtcac	ttatatatac	32820
tgtcatatca	tctgcaaaaa	gtgatatttt	gacttcttcc	tttccaattt	gtatccccct	32880
gatctccttt	tgttgtctaa	ttgctctggc	taggacttca	agtacaatgt	tgaataggta	32940
gggagggagt	ggacagcctt	gtctagtccc	tgattttagt	gggatttctt	ccagctgttg	33000
cagagttatt	taagtcaact	cattgtttta	aatacaagca	aacaggttac	tttgtatagg	33060
cagaaactca	gtaacacact	agtataaagg	aggctaggaa	caaaagcaag	cactgaaaaa	33120
tcaagcagtc	ctactaagtt	cttgccaatg	cgagtcactc	tccaaggagc	tccctacctt	33180
ttgctaaaga	agagatgttc	attccaaaac	aatagagtgc	agttaggaag	cttgtagggtg	33240
aaggattgga	atcaaattga	gaaggggaata	aatttctcta	caaacaattc	acttcccttc	33300
aggctttggt	tttgtatgac	atgaaattat	ctcgcagtgc	tctgatgaga	ttcatctcaa	33360
attttgga	atactgtgaa	tagaaactgc	agcttttcag	gtcaaacacc	aatgggcccct	33420
aaattgctac	catatgaact	gtattcctaa	gaatacagcc	aatgtctttg	aacaaaatta	33480
taaaatctta	atgaccatac	atgtttcagg	tcatagtgtt	aggtaataca	gtaacaaagt	33540
accttgcatg	gaacttgccc	tgtagtgggt	aaaaatagcc	cccccccca	tcacctttga	33600
ctttcttgat	ccaagagtga	acatcttcac	tgaactttta	tgacttggtg	attaacagca	33660
tgtgaaacct	tgagaaatcc	tggaccagtc	ttagctatgc	actcttaggc	aagtaattta	33720
accattctat	gccttacttc	attttaaagg	cggtaacaat	gctgcctgtc	tccctggctt	33780
ctagggggac	taaaagggat	actaatgtat	ctatgagctc	tgtgaacaat	aagaggtgtt	33840
gttactatcg	ctggttgga	gtggtgatgt	ttggcaaa	gaggtaaaaa	ttgacttcat	33900
acaaactaaa	gagagtcagc	ccaggtgatt	gaaatataat	ggttaataat	aaggcagatc	33960
gcagtggtag	ggcagcctaa	agaaaggttt	ggtctcaaaa	gaggaaatgc	tctgggttga	34020
ctgcagggcc	ctgaggagct	agcgggagat	gttgttgagg	gcaagcaggc	ctgtccatca	34080
gaagttcctg	ctggggtgtt	caggagaaac	aggagtgcga	tcagctgtgc	gggtgggaat	34140
gttcagatga	gaaaaccacc	tccaggtccc	gaggcaagaa	ctccactgtt	tctatatggg	34200
atgaggggag	ggaagagagg	agcccagaga	atggcgagga	tcttctaaaa	gatgcgggag	34260
ggagggagca	caactctcat	tccagaagaa	ctgaaacgtt	gacataaaag	cagacaacag	34320
cgagctgtgt	ctcccttgca	gctttattca	cogtgacagc	ccctaaaaja	gtgtacaccc	34380
tagacgtogg	cagcagtgtg	agcctggagt	gcgattttga	ccgcagagaa	tgcactgaac	34440
tggaagggat	aagagccagt	ttgcagaagg	tagaaaatja	taagttctctg	caaagtga	34500
gagccacctt	gctggaggag	cagctgcccc	tgggaaaggc	tttgttccac	atccctagtg	34560
tccaagttag	agattccggg	cagtacogtt	gcctgggtcat	ctgoggggcc	gcctgggact	34620
acaagtacct	gacgggtgaa	gtcaaaaggtg	agtgtccccc	gcaagtcato	tctgaaggag	34680
ggctgtgata	gottacacaa	cagcatgggt	agctcaggcc	aaaaccagag	acggggtctt	34740
aagaggcagc	cccttcaaa	gggcacctga	gggaaatgg	tttttggcat	ctggtataag	34800
atctaagtca	aggtaaagg	ggttaaaagct	tacaatggag	ccaggggaa	ccaggaaaat	34860
gagcagacac	caggcctctt	cctctgtgtg	actcggaaa	taccggctga	aataacctac	34920
taatggagcc	acatctgtgc	cttcagctcc	attcccaagg	ggaacttgga	aaccggggaa	34980

tatggctacc	tggagtcaag	aacatactgt	cctgactttc	caagagggga	aagcttttgg	35040
aattaaagtc	aggccctata	atataatata	cataagctgt	ttaatgacag	attggaagca	35100
accctcaaag	atttattttca	gtggttgtct	tagtcagggc	ttcaagtgtc	gtgatgaaac	35160
accatgacaa	aaaagcaaac	taggaagtaa	agggttgact	cagtttacac	ttcccagatc	35220
acagtccatc	actggaggcc	atcaggacag	gaactcaagc	aaggcaggaa	cttggagact	35280
ggaggccata	gaggttgcta	cttactgtct	tgtccctcat	ggcttgctta	gcctgccttc	35340
ttacagaacc	caggactacc	agcccaggga	aggcaccacc	caccatgggc	tgggcccctcc	35400
cccactgata	attaattgaa	aaaatacctt	accgctggat	ctcatggaag	catttcctca	35460
actgagactt	ctttctctgt	agcgactcta	gcttggtgtca	agttgacaca	caaaccacgc	35520
cggtagagtgt	actatttgaa	attcacctgg	atcctgttaa	gacaaaagca	tataagaaca	35580
tttccacttt	attctgagcc	actatgatga	ttaagacaac	aattgctgtg	tgcaaagtgt	35640
gcccttgtct	tagaagtgat	gtgggggctg	ccgagtttgc	taagagcatt	tgctgtgcag	35700
gagtaaggat	ctgaattcaa	agtcacatca	cctgcagtaa	aaacaatttt	tgtttgtacc	35760
ctcagtgtcc	cagagcagta	acaggcagga	cctgggagct	ccctggccag	tcagccctagc	35820
caaaacagtg	aacttaagcc	catctcaaga	gagtgtctgt	gagaacagta	aggaaagcca	35880
tcttctgatc	cttacatggg	catgcccacc	tagacacata	tatatgcaca	gagaaatata	35940
caccacatac	tccttatatg	gacacacact	cctgcacaca	catgtgcaga	gtaacattca	36000
ccatacacc	tccccacaca	catgcataca	tacaccaggg	aaatagaaac	catgaaggat	36060
atagaaatct	aaagtagaaa	ttaatcaatc	ttttaatgtt	agagactgaa	agctcagcaa	36120
gggaacaagg	tagcaagtca	catcagcaag	agtactaagg	aagacgtggg	tggtgggcag	36180
tggagccct	gggaatgtca	cttggcagac	cgttcagtga	gagccggtga	caggaatgaa	36240
atgattctgc	tgctagagac	actgtcagag	cagagcagag	agctaagtc	tttaattaac	36300
aagaaagctg	agagtctgaa	cggtcatgtc	gccagccctt	gcctaacacc	tttcagattc	36360
ttagccactg	cgcttggtat	gttattttac	caagccacac	aagtgtctga	gggaagaagt	36420
tgatggcatg	agaatgtact	tcccaatgga	agtgtaatga	cgtggtgctt	atgggaagat	36480
ggcatctgaa	ggaagaggaa	gctcccattg	atagctacat	ttaactacaa	gttggtagct	36540
aggagattgc	tagtatgaga	aaaacagatg	ttgctaaaga	taaaaggcca	tgttttcatt	36600
tggcctactt	tagatttcac	tgtgtcttag	ccatagtggg	aatcagacta	gaggttcctt	36660
aaaaaactaa	aagtagtact	atcgtttaat	tgagctatag	tactcctaag	tataaattca	36720
aaggacccta	agtcagccta	ccataaaaaac	acacaccaca	tttattgtag	aactattcct	36780
cttaggcaag	tcacagtcta	gttggccaca	acaaatgaat	gcataaagaa	aatgtagtgt	36840
gtatgtttaa	tggagaattc	ggccataatg	aggaaaataa	ccatgtcctt	tataggaaaa	36900
tggatagaac	tggaaatccc	tgtgtaaaga	gacataatga	agacttgggg	agaaatgtat	36960
aatggtaata	ggatctatgt	tttgtactac	catttatatg	cataggaaaa	atggcaggga	37020
tctttaaaaa	gccacatttc	atactaataa	gaatccacac	tctagggaga	catgacaatt	37080
ctaaatgtat	acacatctga	atatatajct	tcaatatgtt	aaacataaat	tggaaagatg	37140
gatatttcct	ccttgaagcc	ctaccctctc	tcagaagtta	tttttctaac	tttttctttt	37200
aaattatttt	tatatattga	aattataatt	ataccatttt	aattttttta	gcaccccaca	37260
cacatatcta	tcttttttga	aagtcattat	tcttttttca	ttaattgttg	ctatagacat	37320
atgtatatata	ataaacgcac	ataaatacac	acaaacacat	atatgtatac	atatacata	37380
tacatatata	tcatacaacc	tgtccaatct	gtacaatacc	atatatatat	actcagtatt	37440
gaatacccat	ttggtgtact	cttcgctggg	gaaaactatt	tctcccactc	tcaatatctc	37500
ttagttgtct	ataattgccc	ttagtttttt	gtttggagtt	gaggccctct	ggactttttc	37560
actttttcct	aataaaatccc	agttctatct	gttcaaaaac	aattgggaag	agaagagtgt	37620
gaggaggagg	aagaagaaga	ggaaaaggaa	gaaatagagg	aagagggaag	aggggaagga	37680
gaagagggaag	aagaagggaag	gaaaagggaag	aagagaaaga	agagggaagaa	ggagatgaag	37740
aagaagaaaa	tgaatttjtg	catatgtgag	tttttggttc	atctctjcta	tagcagaaag	37800
gacaagacat	acagacggga	atgacacact	taaccatcct	caactagtta	acatgtctag	37860
agcaccaact	gcagaagaca	tgggtjctttc	taggttctgt	cctagccctc	accaatgtag	37920
ttatctagca	aagaagaaca	aagcaaaagt	attgcaagag	aagaactctc	cattgagttg	37980
gaaatcttga	acttttttct	ttcattcatt	tttattcttt	aatttttttt	tttacagttc	38040
agacttcacc	ctctttctcag	tccaccctcc	aactgttcca	catcccacac	ttcccacacc	38100

ccactcctct	gtctccacaa	ggatgtcccc	atgccccacc	ccaccagacc	tccccactcc	38160
ctggggcccc	aagtctctca	agggttaggt	acatcttctc	tcaactgagg	ctccttgggt	38220
gtaaatatct	gcattctgact	ctttcaactg	cttggttgac	ctttcagagg	gcagtcattga	38280
tagaccccaa	tttgtaagca	caccatagca	taagtaatat	tgtcaggcct	tgggcttgag	38340
ctgaatctca	atttggaccc	gtcactggac	ctccttttcc	tgggtccctt	ctccagtttt	38400
gttcctgcag	ttctttcaga	tcgacccagg	aacaattctg	ggtcagagtt	tgtgactgtg	38460
ggatggcaac	cccattccctc	cacttgatgg	cctgtctttt	tactgaagggt	ggactttaca	38520
agttcctctc	cccactgtag	agcatttcat	ctaagggtccc	tcccttttgag	tcctaagagt	38580
ctctcacctc	ccagatctct	ggtacattct	ggagggtcct	cccacctcct	acctcctgag	38640
gttgccctgtt	tccattcttt	gtgctggcct	tcagggtctc	agtcctattc	ccccctgccc	38700
cgatcatatt	cctctcttcc	cctccctgtc	acctttccca	cccagatccc	atccccaccc	38760
ccaattgctt	tcttctcttt	cccaagtggg	attgaggtat	ccatggaaac	tgaacagctc	38820
tctattcaat	aacttgggtca	gggaagaaat	aaagaaagaa	attaaagact	cctggaattc	38880
aatgaaaatg	aggacacagc	atacaaattt	atgggacaat	gaaagcaatg	ctaagaggaa	38940
aattcatagc	actaagtgcc	ctgataaaga	aattggagag	ctcctacact	agcaacttaa	39000
cagcacacct	gagagctcta	gaacaaaaag	agaaaaaaca	cactgaagag	gggtagaagg	39060
caggaaatag	ttaaaactcag	gacagaaatc	aaccaactag	aaacaaagag	aattatacaa	39120
agaatcaaca	aaactaaaag	ctggttcttt	gaggggatca	acaagataaa	cccctagcca	39180
aactaaataa	aggtcccaga	gacagtatgc	aaattaacaa	aaccagaaat	gaaaagttag	39240
acgtaaaaaac	agaaactgag	gacattaaga	aacatcagat	cccactacaa	aaacctatac	39300
tcaacaaaac	tgggaaatct	agatgaaatg	cattgttttc	caaacagata	ccacatacca	39360
aagttaaatac	gagagcagggt	gaactatcta	aacaggccca	tatctcctaa	ggaaatagaa	39420
ggaattaaaa	acctaccaac	caaccaatca	aaaaaaaaaa	aaaacccaaa	aaacaaaaca	39480
aacaaaacaaa	caacacaaaa	aacagcccag	ggccagatgg	ctttagtgtg	gaattccatc	39540
agaccttcc	tcaaagaaat	cttgaacttt	taaaagtact	tccacctctg	aaactcattt	39600
gtctatcttt	tcacaagaat	attaccccag	tccaacttcc	tcattttata	ttgttgggga	39660
taatatctct	ccaactactt	tccaatgaaa	aatggactgt	gaaggcattt	ctgataatgt	39720
aactgtgtag	ggtggggggt	tccatctctt	cctgaaacca	tgatgggttc	tttagctaac	39780
tatctatcct	ttccgatgat	gtgtcctttc	atttacacc	cacaaggcaa	agtctcagcc	39840
aagcacctgg	ctcctcgtcc	ttccccttct	gaatcacctt	tctttgctca	gccaaagatca	39900
gtttcttgtt	tgaagccctc	ccatggaagt	tgcttggtac	gcccctacag	caaactactc	39960
caaaaattcg	ttttccatat	ttacccccca	aagtcacaaa	agtagacata	agatacagta	40020
tgatatagtg	aaatatattct	agaagatgc	tgaacccaga	gaaaatgtat	ggctaattota	40080
gaggtgaaat	gagtacttga	cattttttact	tcagatactg	tttgattggc	agagacagcc	40140
caaaacttag	ttccaaggga	ttgggaggac	tagaccaa	catttagtag	acagtttccag	40200
agtcocaaagtc	tctttgaatt	ctggggattg	ctagattgat	aaagagaagg	caatctttct	40260
gtttgtgtta	tttcttggcc	cattgtggta	tttttaatac	aaagtgtat	gataaaatgc	40320
agaagttcac	atctctccat	ctcaaggatt	ctaactgtttc	cttgtttaca	agctaogaat	40380
ccaaaattta	ccaacctcat	acagttcttg	tatacttttaa	ataagataat	ggtcgggtta	40440
ccaggctagg	gccacatttt	atggccaact	aaacccctct	cttctcaaa	ttttaaaaag	40500
tgtgagcagc	atacaagaat	gcaaagccat	attggaagtg	aacatcatgt	gacaggtgaa	40560
tgggtggcctg	gccacatgat	tttccctctg	cctccctatt	tggagcatct	ctgggtgact	40620
tacatgggag	agcatgaata	agagcaaaaga	ccctcttctt	ccctgcccctc	tcctcttaaat	40680
ctagaagcac	agattttcac	tagacctgt	tctagtttta	tttctgaggc	ttggataaaa	40740
taccttgagg	aaatacaact	tattcttgaa	gggattgttt	ggcttagagt	tcacaccttg	40800
attctttttt	agggaaaatc	aaggcaggag	ctcagatcac	accagagctc	aggagcaatg	40860
acaaatgaat	gcattgcacat	ttgcttjctt	gtgtccagct	tgggtttccct	acttttatgt	40920
agttcaggac	cacatgccta	ggaaactgca	ccacccacag	tgggtctgggt	cttcccatat	40980
caacttaatt	aagacaatac	cccatagaga	tgcacccaaa	ccaactcaat	gtggacagcc	41040
cctcattaag	gtgcttgcc	cagatgatcc	tagattgtat	ccaattgaca	attaaaagttt	41100
accattacag	acctaatcc	attcataaaa	gataaagaaca	tctttcttat	gcttggggat	41160
atagtacagc	agaagagcac	ttgcctaaca	tgtacagtgc	cctgggatta	atccctgggtg	41220

atggaattaa	tctctgggga	aaccttgatt	ctctgtgtct	ctgaatataa	ctagtcaaat	41280
taataagtta	ttacatggaa	gcagaacaga	gaaagacaga	gaggcaaate	acatgggaaa	41340
ggctctgagc	atgtcttctt	cctcactgtt	ctacattagg	taaaaagggtc	atgccgcgaaa	41400
gcttacagtt	aagattctgt	gagtgtctata	ggtattttaag	gcattaaata	cataggtatt	41460
taagggtttt	cacataactg	ttatccaact	gggtaaagtc	atgcagggtc	tataatccca	41520
gcacttagga	tacggacacc	agagggcagc	aaatgtaaat	tcatcctgga	atacgtaatg	41580
agggtcaaggc	tagcctaggc	tacattgaga	gagcctgtct	caaaaacaaa	atctaaaaaa	41640
tatagttgct	attagtttaa	tatgaaatgg	tctttccaat	gagtgttatg	ttcttatata	41700
ttccagcagt	ttaagaaact	accttatcac	acctgttatg	attgcctttc	accactgtga	41760
tactgcactt	gacataagta	agtcagggga	gggagaattt	attttagctc	acagtttcag	41820
aggatccagt	ccatcatgat	cagagggata	cagcaaaaga	gaactcccat	catggcctgt	41880
tttctcttta	gcttggtttg	gttcccagcc	tgtgggatgg	tgctgtctat	gttcaaggca	41940
gacttcccac	ccactagata	actgagcttc	ttgtccaatc	aaattgacaa	gattaacct	42000
ctcaacaact	gtggttttaa	cttcaagatt	gcttttactt	caatgcctgt	actacttatt	42060
taaggaaata	tttcccagtt	aatgaaaggc	aggactcgct	cccccttcca	tcatcaaaac	42120
cccatagttg	attgtcaaca	cttccagcta	tatacatgtg	tagcggtatt	cgtaattttt	42180
taggtgtggc	ctaagactgt	tggacagtct	ttgtgccttc	ctgactctcc	aaatatctcc	42240
ttttgggttt	agatttccgt	gttctagaaa	gtagaaaatc	acacatgaat	agttcattta	42300
gtgtgcagtc	acagaacata	tctgtactga	gaaataagaa	acacacccca	gctctttttt	42360
tttttacagc	tcatacatga	gtccttattt	tctcctctct	aatcaciaag	ataatggagg	42420
gaaaggaaga	acttttgagt	aaactttcta	ctgatgctgt	ctgaaaagtg	atctattggg	42480
gtaatctagc	cctaaccatt	ccctcagctt	tcaccatcct	tcaattatga	gactgtttag	42540
aatacaagag	accacagaat	atggcatcct	agcacagtgc	taggatgtaa	atttgtagcc	42600
ttcctacttt	caaacattgg	gtctatccat	cttttttctt	ctgactttgg	ataccactgt	42660
caacctgtct	tcagtcaacc	tcaacaaaaa	ttatgtgtat	caaacaaaac	atctttgttg	42720
tactgtatga	ataaaaaacta	ttcaaactat	acaagctaata	gaacctgaga	cataggaaat	42780
atttttgagt	ttagaaaaat	gtatcaccta	agatcaatag	taatcacgtg	tttctctctc	42840
cattgagtac	aactgtacag	caatccaaaa	caacatttct	tttctctctg	ttgtccagct	42900
tcttacatga	ggatagacac	taggatcctg	gaggttccag	gtacagggga	ggtgcagctt	42960
acctgccagg	ctagagggtta	tcccctagca	gaagtgtcct	ggcaaaatgt	cagtgttctt	43020
gccaacacca	gccacatcag	gacccccgaa	ggcctctacc	aggtcaccag	tgttctgcgc	43080
ctcaagcctc	agcctagcag	aaacttcagc	tgcattgtct	ggaatgctca	catgaaggag	43140
ctgaacttcag	ccatcattga	ccctctgagt	aagtgtggcc	cccatttctt	agtcctatca	43200
attagagttc	agacgggaaa	aatcttaagt	gtaacttgta	ttcacaagag	ataattgtca	43260
ttcagaagct	tactttctgaa	taagctttct	agatcatttt	gaactctggc	tgactgggtc	43320
aattcagctc	ttctggatca	aaattctctt	ccagctgac	tggttcaaac	tgagttctct	43380
tggtctctga	ctgaattgcc	cacttggtct	caaactaacc	ggcaatatgt	ttaattctct	43440
gtttccttct	cagtctctgg	atcgtttctg	cttcacctgt	ctctgtaaaa	ctgcctctct	43500
tctctctctt	ctctgtgtct	ctctgtttgt	gtcatctctg	tctctgtctg	tctctctctc	43560
cctccactgt	tctctcttaa	gccacctctc	ttcctgtctc	tcatgagagt	tggtcatatc	43620
ctatctctga	ctcattctgt	caagtctttc	tcagattttg	cactttgtct	gcccctcggt	43680
ttcatacatg	gctgcttctt	tctacaaaact	aaccaaaact	tcaaggtttg	gaattaaaagg	43740
tgtgtactaa	gggtgtgtct	gtattccaga	tatagagatt	aaagggtgtg	aattccagcc	43800
agattacata	gatctaggtt	tttggtgtgt	atccctgtgc	aaagcagtca	tggtgtggga	43860
ttaaaattcc	tctacaagaa	acagatgggt	cgctcatatg	gcttggttca	aaaggggttc	43920
taagagactc	ttcatgaagt	cgagatagaa	tatogaagaa	ctacaaaact	agaatggggc	43980
aaagatctct	actgttgaga	aagagttacc	agtgttggag	aggctaccag	gagaagacag	44040
ctgtgaggca	gctcctctgg	gagtgcagct	tcgaggaggg	aagtatgtga	cataccacaa	44100
ccactctggg	ggtccccccg	tgtcctactg	gtgcctccca	ttggtctggt	tgtgtgtgtg	44160
tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtatgtgtg	tgtccccgtc	ccttcttccac	44220
catgtgttcc	ctgaacttga	tcctaatgta	gagaatccac	aaaagaagat	tgatcagcat	44280
gggtttaagc	caatagaaaag	tctgtattag	ccagctgtcc	atcatactgt	gtgtttgaga	44340

ttatggtgta	gttaaccttt	ttcagttaac	aagaacagtt	accagaagca	gaactacaga	44400
agccagaaat	aaagcaaggt	tagttagtac	atthagagaa	tttcctagaa	ctatgaactt	44460
ggatggataa	ggtctttggt	tttatttggt	agatggggct	gtccttgggc	tgagttttat	44520
gacttgaatg	gcacatccat	catggagtca	gttgtgctaa	ggtctgaagg	catagtaacc	44580
tctggagctc	tattacattc	cccactggcc	ctagagagtg	agttaaacca	taggctcatt	44640
ctatttttagt	tcaaggtata	agggcccgtg	gttgatcaaa	tcaggagaat	gacatgtgca	44700
gtgagcacta	atagcagata	gtagccaag	gggactacga	gaacagacac	tggcatcaat	44760
tatctgactt	agggtctgt	ctcttttcc	tccttccctc	cttccctcct	tccttccctc	44820
cttccctcct	ttcctttggt	ctttctttct	ttctttcttt	ttatgttttc	ttcaaccata	44880
gcaagacttt	ctctaattac	tcttgatcaa	ttagcataga	aacaacaggc	tcttcccagg	44940
gctagacata	gttttcttca	tctcgtgaga	agtctaaacc	tctccaattt	tataggatac	45000
tttctgcagg	ggaatctaac	tactctccac	caaatagtca	ggggtttggt	gatattgctg	45060
tcacccagat	gaatcagccc	ataaggcaga	atagcaggca	tcagaataag	gtaagctatt	45120
atgttaaagg	ttttgtatat	taggcaagtt	tcaggctcct	gtaagtccctg	taatattaat	45180
ttgtgttgat	cctagtcaca	atgaatggtg	tcagtcagta	gactgacagt	ctagttagtt	45240
cctatccctc	tgtagtatga	gggctgggct	gtctaaacat	aaccagccat	cctggccaac	45300
ttctggctgg	gagtgatgaa	ctcccggggg	cccttccctg	ggcataaagt	ccgattcccc	45360
aggttttccc	tgtttcccaa	aggccagAAC	ttttttttta	agaagaattt	taggaagcct	45420
cagtttcaca	accctaattt	ttacaatgga	aacttttttg	tttccctggg	cccagtgaAA	45480
ccttaatttt	aataggtcac	agtgcaggag	acagtcatt	tggcaacagt	gtctgtggct	45540
tctgctttct	cgacctggat	gtactgaatc	catggtgtaa	tgccagttgt	cttcacagcc	45600
ataggagtag	aaagaatcac	tgtgtagggt	cctgtccaag	ttgttttcag	tgcccttttag	45660
ggcagccact	tgacttgaac	aaatagaaac	tggtggtgaa	cttggagggt	ggctgggtct	45720
ctcagctagt	ccaagactga	gggtctatag	tgactggaca	gaggaatagt	cagagagttc	45780
tgtcaactgc	tggtctctga	gctcgagaaa	cagtggggga	ggtcttccaa	atataatctc	45840
atagggagta	agtcctctcc	catatggggt	gaaacaggtc	tatgcaaagc	aaaggaagga	45900
ggcctatcca	cccctctcat	tggacactaa	tgagagtttt	gttaggggtt	ctttttatgt	45960
cctggttatt	cttttgacct	ggccacaact	ctgaggctctg	tatgcacagt	gaagttttca	46020
gtcagtgcct	aaagcttttag	ctattactta	ataggttttg	ggctgtaagc	tacgtttattg	46080
tcagacccca	ttgggagggg	gaggctaaat	caggggacgt	ggaggccaaa	aggacctgga	46140
ggagttttta	aaactactat	ctgagcagta	ctggaaaaac	tggcaagtac	tgggtggtgg	46200
tgggtggtgt	tggtgttggt	ttgatcctcc	tctggcaggc	taaagtgttg	caaagtcagt	46260
tttactgttt	tgtgatgtgt	tggcctctta	tttggacccc	ttcctgggaa	agggctctct	46320
gttttgcatt	ttcttgagca	caaacctggc	atctggttga	agcctccaca	ctaggctgtc	46380
cagtctaggt	ataacatacc	ttgttttgag	cagctcagaa	gttttgtgga	ccccaaatga	46440
gtggcctggt	aaaggtcagt	tgccagaatc	ctgcctgttg	tttctgagag	aacagctctt	46500
ctttctggag	tcctccgtca	acctgtgtgt	ttaagctgtc	cattttctcc	atggtattct	46560
agccagtacc	aggtcagggt	acaccatcag	aatacccata	gacccattgg	tcttagggac	46620
atltgtctgg	tagccagggt	agcaggcagg	caggagaaca	gcagttccatg	gaggaagcca	46680
aatagccctt	aggaggacaa	agatttttct	atgtttcttt	ccccaaacac	aagaaaacct	46740
ctttctctac	agatcatgtc	atggacatgt	ctgctaataa	acgtatagca	actgctgggtg	46800
tatatggtag	tggactttcc	ccatctgaga	gtctgggtca	gatctattct	gctctcttga	46860
ctgaggcacc	aaatttgga	ccaaatccct	tcggttaaa	taactacagc	agctccacaa	46920
tacctgttgt	catctttcat	ctcttgacag	tcacggatga	gcactctctg	gttgtcagca	46980
ggaaagaagg	cagcaggata	ggcagtgggtg	gggtttttaa	actggactcg	aggggtgggc	47040
aggagtggg	cctggaactg	ggtcacacag	gcattagaca	gaattctagt	gctctcttaa	47100
ggagggcctc	aactgtgcca	tgggtgtgtg	ttagcataac	atcttgaccc	agagttaaca	47160
tcattatgat	cattattaat	tagtctagta	gtagctgcta	tatctcttaa	atgggtgggc	47220
catcctgtgg	ctacagggtc	cagtctttta	gacaggtatg	tcacagggca	tttccgtggc	47280
ccaaaagtct	ggttttaaaa	ctccctctctg	tctgttttca	tcaacaaaca	catgagaaag	47340
tttcaagaca	tctggaaaga	ctagggtctg	agtggaaagtc	agagctgttt	ttaaagcctc	47400
aaatgccttt	tgtttaatat	gagtcacagat	cagaggacca	aagcctgctc	tgtgctgggtg	47460

tagaggcctt	gctattttcca	caaacactcg	tatccagaag	cagcgatgtc	ctgctagact	47520
gtctctcaga	cctcagactc	tcaaacctgt	ccgttagtct	ttggaattgg	gatctgacag	47580
atggctgcac	tcctactcac	acaggctctt	ttgactccct	tcagctggcg	gccaaagaaa	47640
gtagcctcca	gtgtgttttc	atagttcgcg	tgaatcttct	ttgtatccag	atcatagtga	47700
acgtcatgtt	tggggccatga	caagtgtctg	catgacgaat	tagaaacata	atcagtcata	47760
aagaacctca	gctccctcat	ctcagctcct	agtctacgta	gacagaccag	atgtgacacc	47820
ctgccttggt	accccaaaca	atagcagcag	gataaacaca	gtcacatcct	cccaagtggg	47880
cctacctctt	aaaaccattg	tctagctgat	tcttctcatt	cttatcaacc	gagctactca	47940
cccactgctg	gctgctgact	gctgtgaacc	acctcagaaa	tcagtgaata	aaacaaatgc	48000
agaagtgagg	tgcgaggatg	cctgctactc	tagaacagaa	ggaaggcaga	gggtgccgga	48060
cactctagaa	cagaaggaag	gcagaggggtg	ccggacactc	tagaacagaa	ggaaggcaga	48120
gggtgccgga	cactctagaa	cagaaggaag	gcagaggggtg	ccggacactc	tagaacagaa	48180
ggaaggcaga	gggtgccaga	cactctagaa	cagaaggaag	gcagaggggtg	ccggacactc	48240
tagaacagaa	ggaaggcaga	gcatgctctg	tactctagaa	cagaaggaag	gcagaggatg	48300
ccggacactc	tagaacagaa	ggaaggcaga	gggtgccgga	cactctagaa	cagaaggaag	48360
gcagaggggtg	ccggacactc	tagaacagaa	ggaaggcaga	gggtgccgga	cactctagaa	48420
cagaaggaag	gcagaggggtg	ccggacactc	tagaacagaa	ggaaggcaga	gggtgccaga	48480
cactctagaa	cagaaggaag	gcagaggggtg	ccagacactc	tagaacagaa	ggtggaggat	48540
gtctgacact	ctagaacaga	agactgagtg	cactaagttt	tggtcagcag	gtagggagtc	48600
atcaggtcat	tttctcttag	aaacagggtc	gtcctcagcc	agtggtctaca	ttttcactgg	48660
catatgtaac	tgggctagggt	catgggatta	accgtaaaat	acctggtaga	gctggcagaa	48720
aagtgaagcc	ctcttgggac	cgctcaggta	aggagctaga	aaagaacgtg	gactctgaag	48780
ccagacttca	aaactttcaa	tjctatctct	gccgcctctt	ggcttttagaa	cttgactacc	48840
ctacagagcc	ttctgggaac	tcagtctcac	aggtatacag	ttacagtaaa	tgatgataca	48900
catgcttaaa	aagttactgt	gtaggtaaat	gaaatatgat	actaacaagg	agtagggagg	48960
ccactttgtc	acctccagca	agactcctgg	cttctttctg	agtgcatagg	gctatggtaa	49020
gaataggatg	gatatttttt	tccatcacat	atcttatcat	tgttaaaggg	aatgcagtta	49080
tcttaaaata	atagaaaaga	atatgtagggt	cacccatgct	gccataatga	agattctcaa	49140
acatgcaatg	actcaacaca	actgtgtatt	tctctttaca	taatacttag	agagagagaa	49200
aacgcttcag	gcagctaaac	aactaccttc	cgtaagtcac	tcaatgacc	aggttatttc	49260
catattgtta	ctctgtcatt	ctccgggata	tcgccctgt	taaattgtca	aatcagggtc	49320
attgccaaat	ctatatccct	gccttcagag	aggaaagagt	agtagaagag	aactttgatg	49380
ttctaagtca	agatctggag	aattcactct	tagccggaat	ttagtttata	ctacaggcta	49440
tgtttaagtg	ctgatgaggt	ctagaaaagc	agccctcag	agagctctat	gtctaactat	49500
taacctagca	ctgggaagga	aggagcaggt	aagattacca	gcaggttgct	acatggtagc	49560
tactagaggg	agtaggtaag	attaataacc	agcaggttgc	tacaaggtaa	ctaacataga	49620
ctagtcaatt	cagcctagga	actgagactt	aagtctctcc	tgcagtgggtg	ctgggcttca	49680
taccagactg	agtggtgggt	taggagccaa	ctctatcctc	caaatgcatt	ctaagaaaac	49740
taaagtcttc	aagggttaagc	agaaattcca	tacatggaag	gatctatgag	cagacctgga	49800
cagaacaagg	gttcccaaag	acgctgaggg	aggggcttgg	ctcacagcac	tacottgcaa	49860
catgcatgta	gtagaaaaaa	agcagtgtga	tcagttagggt	tttgcaaac	acctctacct	49920
gttgcatgta	attttaaaaa	tatgctatct	ccttggcaga	tctgtgtggc	cacccccact	49980
ctcggaaaaa	cccatctctc	ccagcttagc	tcggccaatg	gccagctggg	gcctttccca	50040
ggagctgoga	ttatgtctcc	agcccttccc	agctagccac	cagctactgc	ctctctctat	50100
ctctgcccac	ctctctgaga	cttagacagc	tttattaaat	tagtaactgt	cagatagcat	50160
aattgtgtgg	agcagaatct	cattgttccc	aagcatggcc	acaaactcct	ttctctttcc	50220
tctctctct	cctctctctc	ctctctctcc	tcttgggaac	cggaagttct	accttttacc	50280
ttcaaccagc	aattagcttc	caacttcttt	attgacacaa	tcaagaacca	attcagctcc	50340
tctccctaca	tctacaaaac	tggcccttat	ctttttgggt	ctagcgttca	catgctcttg	50400
gataaagatg	atagctctgg	ggcttgagtt	ttggatcaag	aagatctata	tctaaaaacc	50460
tggctgtttt	acttccttgg	aaacaattac	catagacaga	ttagcatccc	tgaggcttcc	50520
ttggctctaa	agtgaactctg	gattatatat	atatatcctt	ccttagccag	attttcccat	50580

ggtcccat	ac	tctgtagagg	gaagggtcaag	agcagagcag	ccagcagaaa	taggcatagg	50640
gtaacttg	tg	tgcctattct	ttgccatggt	ttcaacatct	ctgtagccct	cttttctctc	50700
catctggcca	gc	cctgaagggt	accagtgctc	tgcaaagctg	ttccccagcc	tttaaattaa	50760
atcgctctt	ca	ctaaatgg	atgtgtcagt	ggcagcacct	tggttagttc	agacaagata	50820
aggggtaact	tg	tatctgaa	tggctggatt	taacatgtca	gccattggg	gatattctgc	50880
tctttcaaaa	gg	accttgct	ggtgtttaaa	attgaataac	taacagtgc	gagtctaggc	50940
tcttgagttc	tt	atcagtga	gggagaaaa	acatttttga	gctgagggac	tttttctact	51000
tgaatgagaa	aat	ccagatg	gtgaagaaaa	gagagatgga	ggtagagata	gcgacagaga	51060
caggggtggga	ggg	aggaaaa	agaaagatga	cgaatagggtg	ggtgggtgga	acaacaaagc	51120
gacaaaagga	ctg	catcata	gctgaatcac	ctgctgtcta	actttgggga	catttctcag	51180
cctttcttct	tt	catgggtg	aatgtggaga	tcaaagaaga	ggctgcctca	ctgggtggag	51240
gtgaaaggaa	aag	aacctct	acttgagaga	gatgtggaat	gaaggcttaa	cttcatttcc	51300
acgtggtaga	aac	cacacag	gaagccacct	cagtctgtct	cggggccacc	ttgtgatgag	51360
attccggttc	tct	cattcac	ccaggctcgga	tggaacccaa	agtcgccaga	acgtggccac	51420
ttcatgtttt	cat	ccggcc	tgcaccatcg	ctttgatctt	cctggccata	gtgataatcc	51480
agagaaagag	gat	ctagggg	aagctgtatt	acggaagaag	gtgagtgact	tacaagccat	51540
gtaagcctgt	gg	cctgcggg	tcttcagaga	agcacttcaa	gcctagaagg	gttttgagat	51600
taccctgggg	ac	attctact	ccaagaagaa	catggtccag	tcttcagtga	gctgaaccca	51660
cgctgaagtt	tt	gtgttggt	ttatttttgg	ttttttgttt	tttaagggga	agtttgttcc	51720
agggctgaag	gag	tttggct	tgccctccaa	gcttcatggt	agccaagtta	tagaatcagc	51780
cagattccca	tca	atgataa	acaatttttt	aaaaaaatgt	gatatgtgtg	cataacagag	51840
caccttgtag	cct	taaagaa	aaaattaaat	actgtcattt	ttcaggggaa	gaaatgaagc	51900
tagaggtcac	cgt	tttaagc	cctactcaga	aggtgcagac	agagattata	tttcttttga	51960
tatatagatt	cta	gacttaa	aaaaaaaaata	aatacaagga	caaggtaccc	gcacagcgga	52020
aaggagatac	aat	gatggaa	gtgtatatgt	gtgtgaaaag	ccatgatgat	taggctggag	52080
aaatggctcc	tg	agttaaga	gagtcacctt	acagaggact	tgagttcaat	tcccagcatc	52140
catatcagga	agt	tcctgat	cacctgtaac	tccagctcca	ggggatctaa	ggtcctcttc	52200
tagcctccca	ggg	agctaag	ttagtccacc	agagggccct	atctgagcca	atgctgaggg	52260
cctagtgggt	aag	gggttga	atgtacacaa	ctgtggccga	caggaagtcc	cacctgcctc	52320
ttcagccata	tgt	gtcttgc	acagagacca	atggcaagta	gcatgtgagg	atgccataac	52380
taattcactg	cca	ctgtggt	gtagagctct	tgagtccttg	ctagagcaga	gtcccattgca	52440
gagcccatta	aac	tttcatg	gctgatgagg	aaagaggggc	ttccttcctt	ctcgctcagct	52500
gcaccatttg	ccc	ttctac	actagaccct	cataaggaac	ctgagtcaag	agctttaact	52560
tctctctctt	cta	cagttct	ttggggccatt	gttgtcctga	gactacagta	aagatagaga	52620
agtctccatc	cct	ttcttttc	tagaagcctc	ctcggctcct	gtacagattt	attcatcaga	52680
taatcacaac	tt	atgatgcc	tgctgagtac	tgggagggca	gccattgcca	gtccataaaa	52740
gtgtcttatt	aac	tattcct	ttcatagagc	cattcaatcc	tttgttgaag	gatccagtgt	52800
gaaacaatat	gtt	ccagaga	agttggcaaa	ttctagttct	gttttatcag	ctaggcttaa	52860
gtatatggga	act	atgttttc	tctcatcagt	agatatatgt	tcaatatcta	aaatgctatg	52920
tggtatatat	ata	taagata	atgcccaata	aaattgtaag	ttttttcttt	tttcatccct	52980
gacaattttca	tac	atgcata	tatatgaacc	tatcatgaac	tttagacatt	ccatccccct	53040
ttctctactc	tt	acctcccc	ttcctttcct	actgacgttt	tcttttccaa	aagtctcctc	53100
tctactttct	cgt	ttttcttt	gtgtgggtgg	agccccctga	gcttaattga	aattgtttgc	53160
gggagcatga	gg	catgagcg	taggttactt	attaaagggtc	aactgaacgg	tagttacacc	53220
actgaagaaa	atg	gcacccc	tttccatagc	aaccattacc	tcccaatagt	gcctcagaag	53280
ggggcatcgt	gg	attccttc	tcatccataa	tgaaatgtag	gcaggaccaa	tottgtgcat	53340
atltgagcaa	ata	tacaagc	tatgctgggt	tcccagagtgc	accagctatg	tctgaogttt	53400
tgttgatcct	cccc	ccaccc	tctgtctctc	atattccttc	ctccccctct	tcccatgatg	53460
ttccctgagt	gtt	ggagggga	gtgaaataga	tatctcatct	aaggcagtgc	ttactcttgg	53520
atlttgggtct	gtt	atgggtt	tctgcaatgc	tcattaaact	tgtagtctac	tgtctgtagg	53580
tgagcatgac	ag	acctgctt	tggccatttg	agtagccata	tttaaagcat	tcacatgctg	53640
tagttacagg	cta	caatatt	ggatactgca	gacagccaac	atcactgcac	atcactgccc	53700

agcactgtga	taaatgtccc	cctcaactcc	tctccaaatt	acaagctttg	cccaggacag	53760
aaagcagtgc	ctttattttg	tccatgaagg	aactgaggtt	cagaaaatcc	gtgtgacttc	53820
ccaaagtcac	acaacataga	cagttgaact	ctaaaatgtg	tgactctttt	tatggcaaaa	53880
gagcttaatt	gaaaccagca	atctgaatag	tattatccat	acaagggaag	aggaagtcgt	53940
aacccaaaga	attaaatgag	ttctcattta	catgctgggc	caatcacgaa	gccaaagtcag	54000
agtcccacag	aagttacctg	tacagagtct	agatctgtag	agcttattaa	actacaggtg	54060
gcttaaatga	atgaggatta	aaaaaaactt	ggcacatgca	atgagcaata	atcaattcaa	54120
acatacatat	ataacaaatg	caaggtgctt	atggcagttc	tcattcatgt	tatcacatga	54180
cttcattaaa	gcatgggtctg	gacatacaac	acagtcactt	tacactgtgc	atgctcttct	54240
ataactgaat	gtcaaggatg	ctgcagaaac	accttgggtc	caagttgaga	ctattctgtg	54300
ttatggcttg	cagtgttttt	attgtacata	caaagtctta	ttatctcatt	gaaatagaat	54360
aacttaattc	taaaagtata	tttcaagaca	aggtcttatg	tcatacaaat	aatataagac	54420
aaagtctcat	tacatagctc	tagctgtctt	ggaactcact	ctgtaaacct	ggccagtcctg	54480
gatctcacia	tgatctgcct	acccctgcct	cagaagtgcc	aggattaaag	gtgtgagcca	54540
ctacatgcct	atataaaaaac	actttttaata	ttttcttacc	acttttcctc	aatatgtgtc	54600
aaattcatat	aacttttatat	ttagttgcat	tagaaaatttt	atttctaaag	ctgatttaat	54660
tgctagcttg	agtttccatta	aaaagttatc	aatgagtttt	gggttggttat	taggacagaa	54720
tttccaaaaa	tttcttaagt	gcccctaaat	atacttctgc	taattttgtgt	tgtatattta	54780
tgtgagaggt	gttctctgcc	attcaccata	aaactattaa	ttttaaatat	aactaactca	54840
ctagtataaa	atttttcttt	tgtctttaat	aaatggtaga	attatatatg	cacaaagaat	54900
tgcttttaaa	taagtttaatt	atttcatacc	agtaaagtct	tagtttctgt	agctatacac	54960
tgtcacacat	acatctctcc	tcacatacac	tttcacacac	acacagtcac	acactatcac	55020
atatacaaat	acactcacat	acaccttgtc	acacacaccc	tgtctttctc	tcacacacat	55080
accctgtcac	acacatacac	acacacacac	acacacacac	tcatacacac	cctgtcacaa	55140
cacataccct	attacacaca	tacataccct	gtctcacaca	cgcacacaca	tacacactca	55200
catataccct	gtcacacaca	cattctctccc	cacatacagt	cacatacaca	cacagacaca	55260
aattcttata	tacacaccta	caccacacat	acacacatcc	ccctccacat	acacatagaa	55320
taaaataaaa	tatgaataaa	acttgggact	actatgttct	tgtgttttcc	catttcatac	55380
agacctctta	gttactatgt	agccccagct	aatctcaaac	tagaaattct	cctgcctcag	55440
cctcccgagc	ctggtacagg	tatgtatcct	tggcttccta	ttgcagtttt	taagaactcc	55500
tttacagtgt	atattatgaa	agtatcaaca	acactttgaa	aataaaaaagc	acagatgtaa	55560
tacacacaca	cacacataca	caaacaaatc	tggttcttgc	caagatatgg	gaaatatggg	55620
tcttaagatg	tgtggagact	tgtgtgtgca	caagtgtgtg	tatgtgtgca	tgtacatgtg	55680
tgtgtacatg	tctgtgtgca	tgtacatcta	tgttcataatg	tgaccaaggt	acatcagtat	55740
gctgtgtgta	gaatacacagat	atcaaccttg	ggtgccattc	ctcaggcacc	atatgccgtg	55800
tttctctcac	acaaagtctt	ccattatgac	gtgaggctgt	tcactgagcc	ccagggtatac	55860
attcacctcc	caggcatgtg	ctactgcacc	cagctcttta	cacagatgct	ggggatcaac	55920
tgggtctctc	accogtgtgc	agcagcctct	ttattgagtt	attttcccag	tcttctccca	55980
catcttttat	tagatacaac	aatacagcac	acttcaataa	cagaaaaaac	ggccataatt	56040
cctataaaaag	tctctaaagg	tttagattcg	aatattaatc	ctcgtttgat	catgagctgg	56100
taactagcag	tttttcagcc	aacatcatcc	agcctaggga	ccagcaccag	gttgggtgtg	56160
ccttagaaga	ccgagtcggg	acttttgccag	actctaaaac	aaaagtcaaa	ggcgttatgt	56220
tctggctgcc	tatggctggt	ggagaatatt	aacctgacc	tctggcagta	aggggctgc	56280
cactgaaaac	cgagacattc	cagagcagct	cctctgagtt	gagaattggg	ttcctttcaa	56340
ataccaatct	tcttgaagga	gactacccctg	gctatggcac	tgaattgatc	cttgactctg	56400
aaagcccaag	ctaattgtcag	gatgggtcatg	atggaaactgg	taaaaagcca	gatagggcag	56460
agcagcgcag	gacagtggag	agccaggtcc	tagaagagaa	tctgatagga	aatagcaagt	56520
gctattttaag	gaagaaataa	aactagaaaa	acctggtaac	agcaactcat	cgtgcacacg	56580
tatgcttttg	ttctcttagc	aactctgaca	tcagtctttt	acaccttagt	tagtgtaaat	56640
tgaaccaatca	agccttttgt	tctattctctg	gacagccagg	tataaagcgt	cagtcaaaaca	56700
ggccattcaa	aaaagccacg	tgggaacctc	ttttacaagt	atatatatctc	ttcacctaac	56760
ctatgtattc	atagaatcta	tatattcata	ttttaaaagt	ttaatttaga	gttactctac	56820

atagaggata	ataataatgt	ttctcccaga	acccataaca	aaaacaaaaa	gccaaagtaaa	56880
ggtgtgggtt	gatgcccctc	ctgttggtttg	tcatgggtat	cctagagact	cccaaaacaa	56940
tacaaactat	tgccattgct	cttgattgcc	cccagaacc	tgatgggtgag	tccttattct	57000
ggtagatata	ggacacagaa	atattaagtt	ggccctaccc	aggaagcttc	ttccctgctg	57060
gccacctttc	atagtatctc	aggaacaatg	tgagctgcta	ggcgtggggg	gagccatcaa	57120
caccttacc	agcggagagt	tctgtgagcc	acaataatgc	ctgtcatggc	aatatatacc	57180
catgggtaca	gtagtagcaa	taatatacaca	gttatgaaca	atctgatatt	catcaatatt	57240
ctgattgaat	ctaaggccca	ctctatagga	ggagctgcct	ggtagttggg	attgtatctg	57300
tgaccaagaa	tccatgggtg	gcgagctcag	aggtcccggg	ggtgaggcta	ctacaatgat	57360
gttgctaaag	ggacaacagt	accaatcatt	tctctaaatt	tctatctcta	tcttcataga	57420
tttctgcagc	tcccagaccc	catcatgaag	tttctttgtg	cagtggacag	tggttagcaa	57480
agaaactcat	aatggctcaa	agttcagaga	gtaattgtct	atggtgaact	cagccaaaat	57540
aggacatcaa	tatcgacccc	ttacctcttt	aggtttacag	actgtcttag	ttaggctttc	57600
actttctgca	acaaaacacc	aaagggttta	tttggtttat	atttccacat	tgctattctt	57660
caccaaagga	agtcaggaca	ggaactcagg	cagggcagga	ccttgagggc	aggagctgat	57720
gcatgcttgc	tctacatgct	ttcttatgga	acacaggacc	accacccag	gggtgccact	57780
gcctatagt	gactgggttc	ttccccatgg	atcactaaat	aagaaaatat	cctacatctg	57840
gatcatgatg	ttgtagaaaa	tatttaattct	caatccaggt	tttctactcc	acctttgacc	57900
atthagttcc	cagataaaag	atactcataa	cctttatatt	tacaataagc	cttaatcagc	57960
acaagagctg	ggcagatatt	tattctccat	gctattatgt	ctatttccta	gccaaataatc	58020
ccattaaata	atctgccatg	ttttgtctgg	gctgctctta	actccagtta	gccaacccat	58080
gtggccatta	tttcaagatt	cttacccccac	ctcagcttct	cctctctcca	acttcttctc	58140
ttcccaectc	gtggttctcc	tctgacccaa	gcctgggaac	cctacatccc	gcctatgcct	58200
cttctgctca	gctattggct	gtcagcatct	ttattcacca	attagggata	acttgggagt	58260
caaggtcaca	tagcattatg	tgggtctata	tgtggtctct	gggagtaacc	agtatttcgc	58320
atagcaaaaag	accaaaccctt	aacattatgg	aggcatttcc	tcatttgagg	ctccttcttc	58380
tgcaatgtct	ctagcttggtg	tcaagttgac	acaaagccag	ccaggacagg	ggctcatcaag	58440
gagtaagaaa	cacattatta	gaggcggaag	ttgggaagga	cagatctaga	atagtgtttt	58500
ccggacatta	atgggaccac	tacactcata	agtttacagc	agctatagag	acctgtataa	58560
gacctgaact	agaggatgcc	ttcacaacat	ttcagcacag	atcagggagg	ggctcgtgaa	58620
cccatactc	agctgagaag	ttattgacag	gtgatgtcat	ctgagggagg	gaggatcagt	58680
gaagggtatg	ggctctggta	tgttgcccat	gctccagtgg	atggctggat	gtcagagggtg	58740
ggaggatttg	gagatagagg	ggtggtcctt	gggggggggg	tggtatggga	agatgaatac	58800
aacccaaacc	cattgtatgc	atgtatgaaa	cgctcaatta	ataatgagat	atatatatat	58860
tggtttttcg	agacagggtt	tctctgtata	gccttggtctg	tcctggaact	cactttgtag	58920
accagjctgg	cctcgaaactc	agaaatccac	ctgcctctgc	ctcccaagtg	ctgggattaa	58980
aggcgtgcac	caccatgccc	ggctaataat	gatactttta	aagtgaagag	agaggagtaa	59040
ttctgaagct	agacacttgt	gggagttttg	ttttatagac	aacaaattcc	cccaccacaa	59100
cagagaagtg	agcagagcca	aggggtgagca	gcttgcatth	ctttctcacc	tcctttgcta	59160
tcttagcttg	agttgataaa	ttcaattctc	tcaccaatctc	caagggaatt	ggttctagtc	59220
tcacttagat	tagggagtc	tcacgtccct	tagggaaaat	ggcccaatgt	ttgcagataa	59280
cctatatata	tttccacatg	ggcttgaaaat	aattctgatt	cctgaaaaat	acctatgaca	59340
gcgcagatgc	gagctttgta	aatagtaggg	acattgcatt	gtttatggaa	caatggcaga	59400
aaagaagagt	gtattggta	ctttctctca	tgcagtcacc	aaagacacga	caagaagcag	59460
cttaggtcat	ggttgagggg	gtgatagctc	atactggaga	gggaagccat	ggcagtgta	59520
gcattgtatga	caattgcttg	ctcacacccc	cctaaggcca	gaagctccag	aggaaccaaga	59580
agtagagagc	agctatatac	ctcaagacca	aacccagtg	acctacttcc	ttcagctaac	59640
tcccacctca	taaaagtttc	acaacttccc	gaacagccagc	aacccggggac	caagtgtcca	59700
aacatggaag	cctgtaaggg	acatttctct	ttcaataaac	aacccaaaagt	ttatgtctgt	59760
gtcttttaaa	tgtctgctct	gggttattta	ttgtcagata	agcttaacct	aagctgactt	59820
ttctactcat	ggagaaggta	atagtaattg	aatcataagg	aaggggagtc	tagagcaggg	59880
gtacccaggc	ctcctaattcc	tgacaccctg	gaatacacgt	cctcaccttg	tggtgagccc	59940

cgaccattag	ttattttcat	tgctacttca	tgactgtaac	cttgctccta	ttatgaattg	60000
taatgtaaat	atctgatatg	catgataggt	aggaagtata	tcaggttcta	gggattccag	60060
gaacctcctc	agaactcttt	aaccttgtct	gtgtagatac	aattgtttcc	acccttgacc	60120
ggtacttctg	aggtgagctt	aaaacatcta	attctgagcc	ttcaaacatg	gaagactctg	60180
ggtaagaacc	cagtcttacc	ttctctgaca	gatcttattt	cctatattat	aaatatatag	60240
ggaatatata	aaatatgaag	tatgtgtata	tttcatattt	taaagcccc	ccccagttta	60300
agtatatttt	gtcctacatc	tttttagcaa	tggtctatca	ccaagatctg	ctaaccaggt	60360
gaaggttcca	gtccataact	ctgtatggat	gttttccctg	aagggcattt	tgagaagaac	60420
acaacatggc	tgtgtccgga	tgggttcaca	catgctctct	cgttgcacag	cttagcgacc	60480
ctggctctgg	ctctgtttga	ggctctggat	agattgtcat	gtggaactag	ctgccggggg	60540
actctggtac	ttgttgccag	atgagcatcc	atgggaaggt	acgagatgga	acaatgtggg	60600
gttgatgggt	tgaagtgtga	ctttaacagt	gcactgttga	gtttttatct	tgtcacagtt	60660
aggattacta	ttgctgcaat	aaaaccccat	gaccaaaccg	caagttgggg	aggaaggggt	60720
ttatacagtt	atatacttcc	atatcactgt	tcatcatcag	aagaagccaa	gacaggaact	60780
gaaacaggac	agaaacctgg	aggcagaagc	tgatagagag	accatgggag	gggtgctggt	60840
cactggcccg	ctgctcccat	ggcctgctca	gccttctttc	ttatagaatc	gagggccacc	60900
agcttgggga	taacaacacc	cacaatgggt	tgggcccttc	cctatcaatc	gctaattaag	60960
aaaatgactt	attgggctgg	agagatgggt	cagcagttaa	gagcactgac	tgctcttccg	61020
gaggtcctga	gttcaattcc	caacaagcaa	atggtggctc	acaaccaact	gtaatgggat	61080
ctgatgccct	cttctgggtc	gtctgaagaa	agtgcacagta	tactcacata	ctcagctgca	61140
gtacaactgg	gtggcagttt	tgcaaccaac	agtgattaag	aaatacattg	tggggctaga	61200
gagatggcta	ggtgggttaag	agcactgaact	gctcttccag	aggtcttgac	ttcaattctc	61260
agcaaccaca	tgggtggctca	ggatcacctg	taatggaatc	cagtgccctt	ttctgttggt	61320
tgtgaagaca	gcaacaatgt	actcatatac	gtaaaaataa	taagtaaata	aaacaaacaa	61380
atcaaccaat	gaaacaaacc	ccactgcgtc	accagagacc	atgtgggtgt	acgagtgcag	61440
cactgctgtg	cccattggtg	tatccaggcc	tatgctgctg	cctggagtca	tgtctaggac	61500
tgtagtctct	tcccagacag	ggtctgtggt	gatgtctgag	gccgatgtta	ccaataaaat	61560
gttggtggat	gccagcctac	ggcctacgtg	aaccgggtat	ttctggaagg	caggctgggg	61620
ctgaaagaga	ctagactgtg	agaaaagaat	gatgaagcca	agacaaatct	ttctctgata	61680
aaggctcgtg	agtttactaa	gagagtgtgc	ttataagggg	gaaggcccat	gtcctccccc	61740
gcgccccacc	ccccagtcct	atccttgcat	ccttgggtgt	ttgtcgccat	gtcgccatgc	61800
tgtcagcaact	tgggttgctta	ttcaggaatg	tctcaggaag	ataggtagca	gaatctcagg	61860
gcagttgaca	cttcaaaaaga	agacagtcaa	gtcagaaagc	tgcaccgcag	gtggccccac	61920
ctcagtgggt	acaaggtctg	taccagcctg	cttcagggttc	aggctggggg	agactacaat	61980
aaaaggccat	gcagacgacc	ctgggtctggg	ctgcctgagg	ccacgttgat	gttcaagcac	62040
tatgctgagc	tggcaaccat	accatccctt	acgtaggcag	tgtgcgagag	acgggtctgg	62100
tgccgtgggt	tcagaagagc	tgaccatggt	ggcaggaggg	caggagatgg	tctgtccctt	62160
caccagctgc	agcccccagg	taggagagta	ggccatgtgc	ctcatctggg	cagcagaata	62220
gagattatcc	tgggtgatagg	ggagcaggca	tactggcccc	atcacttgct	tgacatgggg	62280
cagcatgggt	aaaagagaaa	tgcccccttg	ccctctacca	actacttcag	gtggaagggc	62340
tggcccccaa	atcatgagag	caggagagct	gacctactct	ctcactggct	acagtaacca	62400
gagagggtgt	cctgcacctt	gcctgggttag	cagagttagag	ctggggccct	gcaaaagagc	62460
tggccctgca	ccttgccctg	tgtagattgg	gtgagctagc	cagggaagtgt	tagagagctt	62520
gcctgtgtgt	tjagtgtaca	ggagagcaga	gaggctgacc	aactcatcta	ccaccagggc	62580
tcagatgtag	ggttttgaat	tggcttgacc	tcaactctga	actgctggaa	ctgtagggat	62640
gctcctacaa	atctaaagct	gcagggctct	catgacacag	ggcaacaaca	ggctgtccaa	62700
aggagtccct	gtaaagggtcc	agcaggagcc	agaagccatg	aaccagacca	aagtctccatg	62760
gcaatgttca	tttgcaagta	aatagagtgg	accaaaaggga	gttctgtggg	actgtggggac	62820
agacacacta	tjacacacta	tagcttccac	agcaagggtt	ttattttggg	tttttttttt	62880
tttttttttg	gtattttact	ttattctagt	ttattttatt	ctggggtaaa	ggttgcaaga	62940
gcagaggtag	atactaaggg	acaggaagat	gaatgggggt	ggagtacatg	attcacacac	63000
acacacacac	acacacacac	acacacacac	acaaatcaat	aatttttttt	taaaaaaact	63060

attcattaca	aagccaaaac	aaaattctga	ttaaaaaaaaa	attcttttcta	aatgccccat	63120
ttgataagtt	ggaggttttt	aaatattcca	tactaaagtc	atcagagggg	tttcatgcaa	63180
caactgatgg	gaacagatgc	aaagacccac	agccagacac	tagggagcat	tcaggggaatc	63240
ctccagaaag	cagggagggg	ggactgcagg	agccaaaggg	gtcaaggaca	ccgcaagaaa	63300
accacagaat	ccactaagca	cagaaagcag	ggagggagga	ctgcaggagc	cagaggggtc	63360
aaggacaccg	caagaaaact	acagaatcca	ctaaccaggg	ctcatagaag	gtcacagagc	63420
ctgaactgac	aaccaggggg	cctgcgtggg	tctggcttcg	gccctctgca	tatatgttat	63480
ggttgtgtag	cttgatcttc	tctgtgagact	cctaacagtg	agaatggggg	ctgtctctga	63540
ctcttttgcc	ggcttttggg	acccttttcc	tctactggg	ttgccagtcc	agccctaata	63600
gatggggagg	ttcccgggtct	tattgcaaata	tgatatgtca	tgtttggtta	ataaccctta	63660
gaggcctacc	cttttctgaa	gggaaatgga	ggaaggggtg	attgggggat	ggagtggggg	63720
aaggaaatga	gggaaagagg	aagggtaaac	ggtgggtggg	tgtaatatat	aagaaaagaa	63780
caaaattttt	aaattatgta	aaaaaaaaaa	aaaccaggaa	tacattatgg	gactatgagc	63840
tgtcagcaat	gaagcaggag	caatgacgtc	ttttgatggc	gttggcaggc	tcacagctag	63900
aaccagcgca	agagacagga	tgtgctgtgg	ttgtcagaag	ggaggggttc	acactcctgc	63960
aggctggttg	agtggaaggc	gtagggcttc	aaatcagggc	ttctgggacc	cgcataggct	64020
tgggtgtaga	gcgaagaaag	gccttggtgca	cacagataag	cactgaagaa	gccaggaaag	64080
gtaaacacac	ggcttgccctc	ttcgatggaa	tgaggtgtgc	agatagatgc	tcttcctgga	64140
acgccaggaa	tgatggagtt	ttataacctg	gcgatccctt	gctgtctgat	gagacaggct	64200
ctgctcgtat	ctcccagact	tcatttcttc	cagacaatac	cctccccctt	caaaccctga	64260
gtaatgactt	ttagaccaca	aaacccatcc	tcagtgtggg	tgtcacctgt	gctatcttag	64320
ggccaggcca	atgctgacac	ccacaggcct	tatgtttacc	tcggccattc	ttacctagac	64380
cctaaatctc	gggcactgtc	tctgagtcaa	cagtacctat	tcctgtgaaa	gaagccagat	64440
gtgttttgta	aagaatctca	gtgtaagcat	ggcttaaatt	attatatact	cgggactgag	64500
ttcattgttc	tctgaatact	tttttttttt	aaattgtgct	gtgcttaaat	atggctaaag	64560
taaaatgata	tgggacagac	tctagaaatc	ctgggttcac	acccgctaca	atcaaatacag	64620
cctgaaccag	gttttcctct	tgccctaccc	tgatcatttt	ttccttgcc	ggtataaagc	64680
ttgcagggga	atggccacac	gtgagttatg	tgggacaaat	ggaatgttta	cctttcttgg	64740
taagatcccc	ttcttttatg	gttttagcact	catgtgatgt	ggcacttgag	ttgacaaaaa	64800
tgatatagag	caatcagaag	actttgaaat	acctctgtgt	cagaagcttg	gcatgttcaa	64860
gctgctgtgt	atagcaccac	aattccaaac	ccaccagtta	tgaaaactgt	tagtgtttctg	64920
tctaagctcc	tctccacagt	tacctggcaa	cagctaggta	ggcctgatcc	actataaaag	64980
gggcttcttg	ccctctcttc	tctctgttgc	tctctcttta	ctcttactct	cttgatcttg	65040
ctctgtcttc	ttgtcacttc	tccccctccc	ccctctccct	ccacatgctc	atgaccagcc	65100
tctctctctc	ctctctctct	ctctctctct	ctctctctct	ctctctctgc	ctttctctga	65160
ctctactacc	ctcttttttt	tttgtttttt	gtttgttttt	atttttgttt	tgttttttga	65220
gacaggggtt	ctctgtatac	ccttggtgtg	cctggaaact	actttgtaga	ccaggttggc	65280
ctcgaactca	gaaatctgoc	tgccctctgoc	tcccattgtg	tgggattaaa	agtgtgocgc	65340
accacgccca	gcctctacta	cctctttaac	tcccctgaac	atgccccaaa	taaactctat	65400
tttatactat	actgtcctgt	ggctggctcc	tcagggggaa	gggatgcctc	agcatgggoc	65460
ctcagaggca	ctgcttttcc	ccatacctga	ctacatctcc	atagaacata	tccccctctc	65520
ccttatcttt	ttataaaacac	atcaaaaaaca	accocaggaa	gcctttgtct	catccgtaag	65580
agatagcaat	cctcagtaaa	aaattcgatg	gaaaagaatg	aacatgggct	ctcagaacttt	65640
ttcccacgcc	taccagcaat	tgatctgaaa	gcaattactg	taggcccaca	gcctgggtac	65700
agagccatgg	gacaaaactcg	ggaagttoaa	cactgaggtc	tgattacaac	tgagctctga	65760
atcagcaatt	agattttctt	gacccagcaa	attttctcat	ccgccttggc	gagcctgatt	65820
aaaataccca	tttcttccaga	aacgaaaatc	ccaattctta	taaaatgata	tctctgaccc	65880
ggagggacct	gcttgtgtag	gtccgatagg	ctcagtgtct	ttcttccagt	ggactccttc	65940
aagtactcag	gacagggag	acgtgggagg	ggtctgagag	cagaggtgac	aaactctggt	66000
ctccagcaag	caagcatgtg	atgaaaggag	gggaggaggc	ctgaggtgac	cagacagggc	66060
ttgggcaacc	tgccagctca	actctaaact	tccactggca	agaagacaga	catggaggtg	66120
tttatggaat	gtctgctagt	tattaaatgc	tagataaaaa	attaccagat	tagccaactc	66180

acacactggg	gacctattta	tagcttcatg	gctagaagta	aacaaaccgc	taacagcgag	66240
gcccaggga	tggatcattt	agggtagaga	catatttgag	aacaccaaga	acacataatc	66300
tcctgaatgt	ctcatcctct	cgcatgccca	cgtgctctgc	ggtattagaa	cgtctttggt	66360
gagtcaacat	gatcatgagt	attttggttt	tttgtttttt	aattattttt	cttttattta	66420
cttttttttt	tttttttttt	tgatcatgag	tattttgtaa	cagacattta	accatataat	66480
cagaaatgtc	tcaggcctcc	ttatctgaca	ttctgacagt	gaagtaactg	gcagagaaat	66540
gagatagctg	ggaaacctgg	tacctgttgt	cctggggcca	gggtctctcc	agagaaacag	66600
agcctggagt	gggggagggg	aaagcagcag	agggaaagag	acaggtagat	tcatttttaa	66660
gggtcagtgc	ccatgactgt	ggggagagtg	aggctgacct	ttgtgcagta	ggccagcagg	66720
tcgaaacaga	ggcagagttt	ccatatcaca	ttctccaggc	agggtttctt	catctctagg	66780
aatttgttct	caaggtctca	cctgattaga	aggaagctat	attggcatat	aagctatgta	66840
gaatttagct	gatacaacac	attaattata	actgtaaagc	gcatggcaac	atcaagacta	66900
gcatttgata	agattgtggg	ccctgtagcc	tatccaagta	gatatgacaa	atgaaccaag	66960
agatgagggg	gcagccatct	tggccatgca	cttggctgag	agcatagagt	aggccagctt	67020
gttggaaactg	ccaaagcctt	taaaaacaga	agtaaagggc	ctggagagag	ctctgtgggt	67080
aagagggttt	gcagctcttg	cagaggacct	aagttcagtt	cccattgtct	ctctcaactgc	67140
tgctgtaac	tcctgctcca	gggcatctga	caccctatga	agtgtttcat	tatagtatat	67200
ctgtctgggg	tcctaggggt	gggtgttggg	taggggtcct	aaagtagtgc	tggagagaaa	67260
cttagagtgg	ggaaatggga	gggtgtatca	tgaaaggctt	tgaaccctgc	tgggtccgat	67320
acatagatta	ctattttttt	taaagggtgt	ttctctctcc	agtctacttt	gagaggttat	67380
atgtatgttc	tagtcaatga	tttattttat	tttctgtttt	gtggtctctt	cttcccagat	67440
ctggacctgc	ggtcttggga	gttggaaagg	tctgatggga	aaccctcaag	agacttctgg	67500
actcaaagtg	agaatcttgc	aggacctgcc	atttgcactt	ttgaaccctt	tggacggtga	67560
cccagggtct	cgaagaggag	cttgtaaagc	tgacaatctt	ccctctgtct	caagactctc	67620
tgaacagcaa	gaccccaatg	gcacttttag	cttacccttg	ggatcctgga	ccccagtgag	67680
ggcctaaggc	tcctaattgac	tttcagggtg	agaacaaaag	gaattgctct	ccgccccacc	67740
cccacctcct	gctttccgca	gggagacatg	gaaattccca	gttactaaaa	tagattgtca	67800
atagagttat	ttatagccct	catttccctc	ggggacttgg	aagcttcaga	cagggttttt	67860
cataaaca	gtcataactg	atgtgtttta	cagcatccta	gaatcctggc	agcctctgaa	67920
gttctaatta	actggaagca	tttaagcaac	acgttaagta	ccccactgtg	ggtatttggt	67980
tctacttttc	tgtttttaaa	gtgtgagtca	caaggtaatt	gttgtaacct	gtgatatcac	68040
tgtttcttgt	gtctcttctt	tcaactacat	cttttaaaac	aaaacggtgt	ggggtttggg	68100
tgttttgggtg	gtagtggtag	tgtttctcag	tggtatctcc	ttaagaaaaa	aatcatcat	68160
gccagtgaat	tgtttcttca	gccatttccg	atgggaagct	ggaatagcct	gtcccccaag	68220
ctaagccttc	ttccctagct	ttctgcgtga	ttttacattg	agcattcctg	ttgctttggt	68280
tctataactg	taatgtgggtg	atgtcattgt	tagggcactt	gagggtgggc	gttctggaag	68340
tcctttcagg	ttagtgtttg	ggggcagggt	tgctcagaat	acataaagg	gctaacttaa	68400
actgcagcca	tggagctcag	tgaattcaat	aaccttgggg	ctgtccaaat	gtgcacatta	68460
gctactgtga	ccctgttagg	ttagggagcc	tgaagccagc	tctttacctg	gtgttttagac	68520
tcagcagaat	ttggagtcaa	tgggacccaa	tgggtgtgaa	attaagattt	gaagtgtgca	68580
tcttattttta	tcaccatctg	cccaacaaaa	cttcagaaaa	tgcttttgaa	gcacaaaaat	68640
gtaatcgttt	atgtgaaatc	tctgagttgc	athtagatgc	ccattgcagc	aaggtggctc	68700
tctcacagat	tcacacacct	agcctaagat	accagacagc	aggacagaga	gaaaagtcct	68760
tcctggtgtg	caaacttctc	tacactggac	ctcgcctctc	aggtgtgtga	ttggtagggc	68820
aaatcccgat	agccaatcgg	tggtgggtgc	tttgtctgct	ctactgggag	tcagtggtta	68880
caatggattc	tggcaaaatg	ctgcacatct	ggcctctgct	gggtgtcttt	ctaggatatt	68940
catagagaaa	gggctgtcca	gatccagtat	cctaaaaatc	tgagaggaga	atataagtta	69000
gtgtgtctca	ctataactat	ctctatgac	ggtcacatta	ctatctaaca	gttaccaaaat	69060
actatatgcc	taatactggt	aagcattttt	tacacaccat	tggattgaat	cctctcaaaa	69120
tcctcaaaaa	ggaagttatt	aatacctcca	taggcaagg	gcccagaacc	cagagaggtc	69180
aggcagtcta	gttatagatg	cctgctctgt	ttagaagtga	acaagagcat	caaattatta	69240
atgtgccctg	gttattaatg	cgccttggtt	acctgctgga	tggaaacatca	aggtggactt	69300

ttggcagttg	catacaccca	gaggtatfff	ggctattcac	ggattaatff	cacacgaagt	69360
gtttcagaga	catgtgtagg	ggaagtccgg	gttcaggggg	cctaagattc	aaaatcaaaa	69420
gaatgagcag	taaaagaatg	gtgtttactg	cctgccttta	tcaggcagtg	aacgtgcagc	69480
gggcaacgaa	tgcttgataa	gtgtgtgtca	gtgtgaagtc	ccatgtacca	gccgctgtcc	69540
ccactgcaaa	agcagcagag	cgctcagaca	tcatacagctg	atttaccagc	agcagatttc	69600
ttcttctagt	cccatccctg	aagaagcttc	cagcctaggt	acattgcatg	ggctttgtgc	69660
tccaggagtt	cctacacagc	cctcaacttc	aacacaggca	aagtgcctac	tgatccctcat	69720
gtatcttaca	gggtcccttc	taccacaaat	acctcattgc	tggaacttca	aatcttcctg	69780
aataaaagct	tgcccgtggg	ttaattatta	cctatactag	gagattttcc	tccagctgtc	69840
tttccctttg	acacagaaat	gtgtctcactt	tctctgtctc	tctgtctctg	tctgaatctg	69900
tctgtctgtc	tgtttctgtc	tctctccctc	cctccctcca	tccctcccta	tctctcattc	69960
ccatccaatg	atgcttacat	gttttcgttt	ttgaactctg	aggactggag	cacacgttat	70020
ctccccgctt	ggactccttg	aaagcagaga	gaaaagagga	tcttcccatg	cccagagcac	70080
cttgtgtgag	ataggtgctt	tggtgtgtgac	tgaccctgaa	actttaaaata	ttgaaaataa	70140
catgacgctc	attagtctga	ctttttatga	cogtaatgtg	attggctaaa	aaagtaaata	70200
atgggaactt	taaaaaatgt	aattcaaata	taatattatt	tctattcctc	ccttcccttc	70260
atctaaccoc	ttccatggct	ccttccctca	gtcctcctca	tggtcccccac	tcgctctcaa	70320
atcaatggct	tctttttctt	tgactactac	tgctactgac	atgcacataa	atatatgagc	70380
ataacttgct	gcctctgtta	agtgtcgctt	gtgttaatat	gatttttagag	ttgaccactt	70440
tgcattagga	agtcaattag	ggggccatcc	ccgggagagg	ataacattcc	tctttgtggg	70500
cttcagttgc	ctgcagtcct	tcacctcgga	ctgggtacct	ttgtgacttt	cctcttccat	70560
attagcaagc	ctaattgctg	ttgtccctga	tggtctctgg	tcaggcagtc	atgtagtgtga	70620
agaatcatga	acgtagcttc	ccagacattt	ctacaagacg	tgatcccaca	gcagactttc	70680
cggttctctg	gttctccgca	ctcttctact	tccatgatgt	cccttgagcg	ttaggtgcag	70740
gggctctatt	atatacatgt	ccgctgggtc	tgaccccgaa	tggttagttt	atctctgcac	70800
atgtaaaagg	taattttaaa	aatttcttta	acgtttaaat	ttttataagt	atgggcatgt	70860
atatatatat	atatatatat	atatatatat	atatatatat	atatatatat	atgtgtgtgt	70920
atgtgtatat	gtatatgtag	atgtagatgt	agatgtagat	gtagatgttc	aaagaaagcc	70980
agaaagaggc	tgatctatta	gaggtagact	tacaggcagc	tgtgggaaac	aggtcttggg	71040
tcctctggaa	gggcaggaag	tgctcttaac	cactgggcca	tctctctagc	cactataatg	71100
gcattttttt	ttaaaaagtg	gattaattct	tttttagtgt	ttatatataa	gtgaagtaaa	71160
aataggattt	agaagcgttt	gaagatttga	gaaagagcaa	tataggctgc	tctcattcaa	71220
tcacaaatgt	attgagttcc	attactttta	tgtttgtcta	tttatgaagg	tatactttat	71280
tatatattcat	gtaattttct	atcctttgaa	aaaatctggt	atgaatctta	agctagcaca	71340
tatgtctgctg	gctagttgtg	agatattctt	cgggcaactg	tgacagtgtt	tgcttaaaac	71400
ttcctcagct	tctggaagat	ggtagcctgt	gacacacaca	cacacacaca	cacacacaca	71460
cacacacaca	cacacacaca	cacacacaga	acacagagca	aactccatat	gaaagtcaat	71520
gcccccgcta	catctctttc	actactttta	gagtgaatgt	taaccacata	tttctttgga	71580
aattctcaag	tgttccctaa	ggccaattct	tacatatata	ctggccgggtg	tgataggatc	71640
ttaacagtgt	tctcctgttc	agttcatggg	gtcagccatg	gggcagatca	gagggtctaga	71700
gaaggctgat	ctagacgttt	tctccaggct	ttccctccaa	gggccatttg	tgactgtctt	71760
gcccagagcc	cagagcccag	agcccattgac	cttctccatg	cggcttactg	tgctgtgtgg	71820
ttccagtaac	tgctgcctcc	cttccctctt	tcaagattag	gtgcctaggt	cagtctgtct	71880
gtcttcttgt	ctgtctgtct	cttactctct	cagagagaaa	gatatagaca	ggcaacctgc	71940
ctgcctctgtg	gtacaatact	atatccagcc	cacacattta	caaagactcc	ctttaattaa	72000
aagttcacat	tttccagttc	cagaaccttg	ctggtaggtc	aagctatttc	aaagaatgta	72060
atctcttttt	cttaggtaaa	gagtgggtac	tctagttagt	cactgtctag	attgttctgg	72120
aatctgtgcc	catgcagact	accttcaacta	agaactcgga	aaataccctc	gaatttgtgc	72180
tgttgttatt	gatattgtta	tcatgggtgt	ggcgagcaca	agggtcacaa	tagcgcaatg	72240
agatttgaag	ttctttgaaa	tgtacttccct	gtttcaaggt	atctttgtgag	catgagctgt	72300
tttatgacct	tgtaaaaata	gagaatccag	gtgggtgaggt	gcagacagcc	agtttaattgt	72360
atctgttttg	tgactcagga	gatcacctca	ctgccatcag	aagggcaccc	atcctcttaa	72420

cacatctgag	agtgtttaca	gaatgagtct	gaggcttagc	aggtacaagt	gcttgtcaca	72480
caagcccggg	gacctgagtt	caaacctcag	aacccacagt	ggaaggagaa	gagaaaaccc	72540
acctctgaga	gttgctctct	gacctccaca	tctgtgtcat	ggtgtacaca	caaacacatg	72600
caaattacat	ataaaaagttg	ctatcttggtg	tcttagttgt	tgtgtcttta	ttacttttag	72660
agtgaatgtg	aaccaagtat	ttccttgga	attctagagc	attccctaag	gtcaagtctt	72720
acacattgat	ttctgattga	ttggcttggt	tagttttggt	ttgccatgta	gtgcggtttt	72780
gttatcttga	cttcttcggg	gtggttacag	gaacacaaat	ttgttgggaa	gttgagcgctc	72840
tcaggcttct	taggtggacc	acttactttc	tggcgtgctt	tgtattcaca	ttgctactgg	72900
atgctcttcc	aaccctgggg	atgcttaagg	cttcactttg	cctatgtaac	aggttaaagc	72960
agtgatactt	ttacgttttc	ctgttttgat	cacctctggc	tttgatccta	agcatcactc	73020
ttcctgtgac	cttggaatct	gagtgtagtc	tatcctcccc	ttcctgctc	agcctctagc	73080
taagtgtttc	atttactcaa	taattttaatc	attttgatac	attattttgt	tttaagctac	73140
agtgtcttca	cctatctatg	gacttcctaa	caataataac	cctctcactg	aactgtccta	73200
tgaagatgat	gcatacctga	tttaaaaaaa	gaaaaaccta	tccaacaaat	acagaagtgg	73260
atgctcacag	ccatccattg	gactgagcac	agagtcccca	atgaaggagc	tagaaaaagg	73320
acacaaggag	ctgaaggggt	ttgcagcccc	atagaagaaa	caatatgaac	taaccagAAC	73380
ccccagagct	cccagggact	aaaccaccaa	ccaaagggta	aacatggagg	gacccatggc	73440
tctaggtgca	tatgtagcag	aggatggcct	tgtgggacac	caatgggagg	agaggccctt	73500
ggccttgtga	aggctcgatg	tcccagtgtg	ggggaatgcc	atgacaggga	agtgggagtg	73560
ggtgggttag	tgagcaggag	gaggggtaat	aaggataggg	ggagtttcag	aggggaaacc	73620
aggaaagagg	ataaaaatttg	caatataaat	aaagaaaaca	tctaataaaa	aaactgttca	73680
agaaacatgc	atttctttcc	ttaataaata	tgaattaaga	atgaataaat	tatgtaaatt	73740
ttgaacaaat	gattgtgtca	attttctttg	aagtttatgt	taagagttaa	ctcataaatt	73800
agtattttga	tgatctagat	agtccagtgc	tatcttattt	gtggcttttag	attcttcact	73860
gtctttgatt	aaaatctttg	aataattata	ctttgaaatt	atttttatta	gtcaagatat	73920
atctcagtaa	aataaaactct	gacttacagc	aaagttggaa	tagagggaga	agctagattc	73980
tcacttgtag	tgagtcatat	ctggttttcta	gtctgttaatt	caaggtaggc	ttttcaaattg	74040
acacagacat	taattcatag	agccattccc	caccaggatt	cccggtgggtt	gacacattct	74100
gaatgctaga	tgatagctcg	tcattttctat	tgaaatcagc	aagtccaact	ccgtgggtgat	74160
gtttcccacc	acaccatgct	tagagcctgt	tcacactgct	ctgaatcagc	tcactgaactg	74220
aattctcagt	acttcagaga	agccactact	ccctgttccct	catggtgacc	caagggggcaa	74280
gacaagatac	ataattatac	atgaccagggt	ggtgagtttg	catcacggaa	tatagcctac	74340
tcttatgctc	atattccaac	cactcaacca	agaaagtaaa	acctttttcca	actgctaaca	74400
tatttgtctc	atagcttttg	ctgtcttaca	agctacccca	aacgcagaga	tatctgcaag	74460
gtgcataata	aacagacaca	gactactggc	aggcaatttt	tcaagactta	aagttgctct	74520
cttctctgtc	tctctgtctg	tctctctctc	cctgtctctc	tctgtctctc	tgtctctttg	74580
tctctctctc	tctgtctctc	tgtctctctc	tctgtctctc	tctgtctctc	tctctctgtg	74640
tttctctctt	tgtctctgtg	tttctctctt	tgtctctgtg	tctctctgtg	tctgtctgtc	74700
tctgtctgtc	tgtctgtctc	tgtctgtctc	tctgtgtctc	tttgtctctt	tgtctctctc	74760
tatctctgtc	tctccctatc	tctgtctctc	tctgtctctg	tctccttctg	tctctctctg	74820
tttctctgtc	tctgtgtctc	tctgtatctc	tctgtctctg	tctctctgtg	tctctctgtg	74880
tctgtctctc	tgtttctctc	tctgtctatc	tctgtctctc	tctgtgtctc	tctgtgtctc	74940
tgtctctctg	tttctctctc	tgtctatctc	tctgtctctg	tctctgtctc	tctctctgtc	75000
tctttctctc	tctgtctctt	tctctctctg	tctctctgtg	tctctctgtg	tctctgtatc	75060
tctctgtttc	tctctctgtc	tccatctccc	actctctgct	ctctctctct	ctctctctct	75120
gcttgagact	gcacacatto	tgcattctcc	tgcgcactct	gctttctctc	tgtgcacttt	75180
tctttctctg	aaactgcaca	ctctacaca	cctctgtggg	ttcccttttc	actcacacac	75240
acacctcaca	cacatctcac	acacaccaca	tgcactctcc	tttcaactcac	acacacatto	75300
ttctcttcac	actttcatat	tttctccatt	cacttcacac	tctgtccaca	cacacctcac	75360
attctctctt	cactctcttc	acattttgctc	tctctctctc	acacacacac	acacacttct	75420
cgtgcacctc	actcccactt	cactctctct	ccactctctc	tccactcctg	ctctcgcctt	75480
tttcttggcc	cagtcttttta	ctgatactcc	aaaagcaggg	agagaaaaga	cattgtattc	75540

tcattgccaa	atcaaattca	aaagaataac	cacatccac	aaagaatcaa	gaattacagt	75600
tgttcccaa	agtttcaagc	ttacccttat	ttccaggctt	gtggccaaaa	taataattgc	75660
aaagtcacat	ctattttaa	tttaattttt	tttaacttat	acttcagagc	tcagaggtcc	75720
gaggtcagct	acgtgtgttt	tcttgtgaag	ctctaattgat	aaatgacgtg	ggcaaagctg	75780
gcaggcagtg	gccagaaaga	atcaaccctt	aacccttaac	tcagcagttc	tgctagcttt	75840
ctgcttctgc	acattgcaca	caacgactct	cctaagagtc	tcagtgtttt	gacttagttt	75900
tactagtata	gaattatatg	cattctacaa	ttgcttatcc	aggaaccact	ctcaaagtgt	75960
gtgcaaaact	tatttcataa	cttcaacagc	tttgcccttc	ttgggtttcc	aatgttggct	76020
ctaattcatt	ttctaataat	ttcttcaaac	tttctttgca	agtcaagcat	taatctggaa	76080
ctcccattgt	gcagttgtta	cattgtttcc	aagatgagaa	cacacagcag	gcacctgggt	76140
cattaggaat	gtgctgtgct	gtgccccaa	cctcaatttt	taattgtgta	agaatcattg	76200
catctaggaa	catcgagttt	cacagaattc	accagagcag	gagaaaggag	taggaaagtc	76260
agatataata	gaataattat	gcagaccaag	gccaaccgaa	aagcagtcac	gagcagatga	76320
attctataca	actgtttgtc	aaggctaaga	ttaggagaaa	tgggaacaa	tggtgtctac	76380
aaaagacagc	tgtgagctac	tgacatgtct	ccaccctggc	ctactgcagg	cagtcacctta	76440
tttcagggtg	caggctccct	ggagggatgt	aactactcct	tctcaggttc	ccaggcacca	76500
tcctttttca	caaggagctg	ccacaggctt	ctgagatgtc	tccatccctt	tctgcccctt	76560
tccctctgaa	agagacggga	atcctggagt	ttatgagaaa	tggagacacc	cctttcagag	76620
ccactgctca	tatgtggttg	tatcagagtt	tcaagcaaaa	gaaagttagt	gtctgcagat	76680
gggaaggcgg	gacttccttc	attatgaagg	ggagatcagg	gacagactca	ggacaagtgt	76740
gctcaaacat	tactccttag	cctgagtcca	acgccttcca	agtttctgtt	ctccgtgcat	76800
ctgccagctg	cggaatgctt	ggtttgcttc	tgaatcctta	gtaatattta	gttattcctg	76860
caaccagaaa	gaacacgata	tattttgaac	gcctgcttag	aaccccttac	tggtgctctg	76920
cctacggttt	taggggaaat	ctctgagctt	gctgctttct	tcctgcacac	acactaatac	76980
agaagcagcc	acatcacctc	gattccttta	tgaccttate	tttactagaa	caatgctcca	77040
atataacagc	tactcggttt	ccaaaaattc	tacttctcca	tcaagcctcc	ctcgggtctc	77100
aggaagctac	gaggaagagg	aggcaggaaa	accgtaaatc	ggtggggatg	gacgacacca	77160
aggaaataag	accttctaga	taagagagca	gaactgatgc	tcgtagaagc	tcacagacac	77220
cgtggcagca	cgcacaggac	ctgcacagtc	ccagtactga	gaggggaact	ggacacgagg	77280
cccatccctc	aacgcagaaa	tgttctccaa	tgaacagcca	ttcacagaag	aaaaatcagt	77340
tttctccagt	ggagtctcac	tgggtgtaca	cacaacactt	aagggagggt	ccatgcccag	77400
cagcagactt	gcaaacacaa	agcaaactgc	atggtagttt	ttggagatgt	tatctagcaa	77460
tactttgttt	ggtctgtttt	tttgtttttg	ttttgtcttt	cctctttata	ccttgtcttt	77520
tgcttttcta	ttatgatctc	tgattttttt	gtgtttttat	gggttttgtg	ctctgtgtgt	77580
gtgtgtgtgt	gtgtgtgtgt	gtgtattcat	gcaaatacat	acaagtcttt	tctctctctt	77640
ttttttctgt	ttctttgctt	ttattctgga	ttgttttatt	gtttattggc	ttattttaaa	77700
aggtctgggg	tcactctgggt	gggcgtgaga	agggtctgag	aggagacgat	ggaaggga	77760
ctgtgatcag	aatactgtag	gaagaagtat	tttcaattaa	aaacagttag	aatggagctg	77820
gcattggtgg	gtatgtacgt	gatccccgca	cttaggaagc	caaggcacia	gaacctcgtg	77880
agttggggag	caccctgggc	tataaattga	aagccagtct	caaaccaaaa	gaggaaaatc	77940
atatgcaaag	tggcttatgt	acaaaagaag	gactactcat	ttgtgtaaat	gagcagccta	78000
gaggtgcaac	tggtcccatc	agaaaacc				78028

<210> 38

<211> 744

<212> DNA

<213> Mus musculus

<400> 38

atgctgctcc tgctgccgat actgaacctg agcttacaac ttcatactgt agcagcttta 60

ttcacccgtga	cagccccctaa	agaagtgtac	accgtagacg	tcggcagcag	tgtgagcctg	120
gagtgcgatt	ttgaccgcag	agaatgcact	gaactggaag	ggataagagc	cagtttgcag	180
aaggtagaaa	atgatacgtc	tctgcaaagt	gaaagagcca	ccctgctgga	ggagcagctg	240
cccctgggaa	aggctttgtt	ccacatccct	agtgtccaag	tgagagattc	cgggcagtac	300
cgttgccctgg	tcattctgcgg	ggccgcctgg	gactacaagt	acctgacggg	gaaagtcaaa	360
gcttcttaca	tgaggataga	cactaggatc	ctggagggttc	caggtacagg	ggagggtgcag	420
cttacctgcc	aggctagagg	ttatcccccta	gcagaagtgt	cctggcaaaa	tgtcagtgtt	480
cctgcccaaca	ccagccacat	caggaccccc	gaaggcctct	accaggtcac	cagtgttctg	540
cgccctcaagc	ctcagcctag	cagaaacttc	agctgcatgt	tctggaatgc	tcacatgaag	600
gagctgactt	cagccatcat	tgaccctctg	agtcggatgg	aacccaaagt	ccccagaacg	660
tggccacttc	atgttttcat	cccggcctgc	accatcgctt	tgatcttcct	ggccatagtg	720
ataatccaga	gaaagaggat	ctag				744

<210> 39

<211> 744

<212> DNA

<213> Mus musculus

<400> 39

atgctgctcc	tgctgccgat	actgaacctg	agcttacaac	ttcatcctgt	agcagcttta	60
ttcacccgtga	cagccccctaa	agaagtgtac	accgtagacg	tcggcagcag	tgtgagcctg	120
gagtgcgatt	ttgaccgcag	agaatgcact	gaactggaag	ggataagagc	cagtttgcag	180
aaggtagaaa	atgatacgtc	tctgcaaagt	gaaagagcca	ccctgctgga	ggagcagctg	240
cccctgggaa	aggctttgtt	ccacatccct	agtgtccaag	tgagagattc	cgggcagtac	300
cgttgccctgg	tcattctgcgg	ggccgcctgg	gactacaagt	acctgacggg	gaaagtcaaa	360
gcttcttaca	tgaggataga	cactaggatc	ctggagggttc	caggtacagg	ggagggtgcag	420
cttacctgcc	aggctagagg	ttatcccccta	gcagaagtgt	cctggcaaaa	tgtcagtgtt	480
cctgcccaaca	ccagccacat	caggaccccc	gaaggcctct	accaggtcac	cagtgttctg	540
cgccctcaagc	ctcagcctag	cagaaacttc	agctgcatgt	tctggaatgc	tcacatgaag	600
gagctgactt	cagccatcat	tgaccctctg	agtcggatgg	aacccaaagt	ccccagaacg	660
tggccacttc	atgttttcat	cccggcctgc	accatcgctt	tgatcttcct	ggccatagtg	720
ataatccaga	gaaagaggat	ctag				744

<210> 40

<211> 79684

<212> DNA

<213> Homo sapiens

<400> 40

aattggagcct	gtgggctgcg	ttgcgaacaa	tgcgggcttc	attaacataa	aaacagcatt	60
cttcttggac	atatacacat	gtgccccaa	acaagaatgt	taatccaaac	tgcaccattt	120
tgtaagcgcc	ctgctatttt	gcagaccttg	gtaaaagtga	cacatttcat	gggttttttg	180
gpcatgagaa	acacccctgc	taaccacttg	accacaaggc	ccacaaaggc	ccaactaaag	240
aaatatctct	atcatatcct	tctgggcaaa	ggtccaaggga	acaccaagat	gacatccgcg	300
ctgaacaagg	accagaactg	cctcatgacg	ggaacatctt	atcaatatcc	taccgggcag	360
caagccatac	tgcacagacc	cctcccgccc	atacctataa	attaccccag	cctgtaagca	420
gaggtaggca	ctggcggttag	gctgggtccc	gaattctaca	gtgtgcatat	ttcttttaac	480
ctcgctctcc	cttcaaaaacc	taacagggat	cagcctgggc	aatatgggaa	aatgcbatct	540
ctgcaaaaaa	atacgaaaat	tagctgggtg	tgggtggcga	tggctgtggt	tccagctact	600
tgagaggctg	aagtjgtagg	atcgcttgag	ccccgaggt	tgaagttgca	ggcagccctg	660
attatgccac	tgcactccag	cctgagtgac	agagtcagac	cctgtctcaa	ataaataaat	720
aaataaaaaa	aaattagaaa	cacatacagc	cctttgttga	tttcttttaa	tgttttcttc	780

ttgttatttt	tcagtaatct	aactatactc	tccattattg	cttttaaaaa	attattttctg	840
tctttacaaa	agtaatttgt	gctcatggca	gactatttta	aaaacaaaat	gaagccaaag	900
aaagaaaata	aaaattaact	gcaggagaag	gaggcaagag	agctaactag	atgcagccag	960
gagaaacacc	tctcacagag	atcttcccag	attttcagag	ggaaggcatc	aagagtggac	1020
agagggaaga	cacagaggct	gggctgaagc	aggaggaagc	tgaaaaccct	gcatgaggct	1080
accacacact	gggacttggt	cctggccccc	aacaactcct	gcagaaggga	tgagttgaac	1140
aggcaaggag	aaacatgctc	ttgcaatggg	tctctggaat	cacgacagga	agagaccctc	1200
caaccactgt	ggacacttga	gttggcaagg	agagctgctt	agagaagtgg	taggggcaga	1260
gctccagggt	atgtggagcc	cagtaggttt	cgtgcgggag	tgtttgtggt	ggagtacagc	1320
cagcgatgtc	catctcccta	ggctcaactt	gcttccatag	gagactttag	caccagggga	1380
gctgtcggtc	ctaaattctg	cagggcgggt	ttgcccata	gataggggca	gtctgaactc	1440
agcacccttt	ggtctgctag	cctttcccag	ggccccagcc	tgcccatgcc	tgcttgcagt	1500
gcagccacca	ggtacctcct	gggagccca	atcatagcac	ctgtgctggc	agaccatgcc	1560
agactgtcag	agtgtctgcag	cagagtagcc	cccatggaca	cacaccagcc	caccagctc	1620
atcccctaac	tacagcctcc	cccttggtgc	tttgcttgca	cacacttgcc	cacagccacc	1680
cttcatatca	ctttgccagt	acctgcgtgt	acaggcagac	ctcaccttcc	cttccccacc	1740
agcatacgtg	tgagcgtgtg	ccctgccatg	ccactgctgc	tggtgtgagt	atatcctgcc	1800
cctcctttcc	ctgcagcact	gtccactgtg	atggcaatgg	cattgtcacc	agagtgttgt	1860
tgggcatgga	gctgccagct	ccgccccagc	cagtccccag	ccctgcccct	atgcgaacac	1920
tgccatggtc	acaaaactag	gcacaaaaac	cagcaggccc	acccctgccc	tgagcgggca	1980
atgcctccca	tgtgaatgtg	cacagggggc	acacacagcc	ctgcatctag	cagcatcctg	2040
ctcccatgct	aatcccaaca	ctggcacaaa	catgtgtaca	gttgctgggt	agggcccccc	2100
aacctgcctg	agccatgctg	ccactgctgc	ttctatgaac	acctgcacga	aggctgggac	2160
tccggcatcc	actagcacct	tgctgcagcc	aacaagtgtg	caccccaactg	cacccgtgct	2220
gccactgcga	ctggcacatg	cgactgagga	tgatcatgtt	ttccacagcc	ctacaaagca	2280
ctttggctgg	caccatgcct	cagagagttg	tgatcagagg	tccaggagca	cctcaggccc	2340
ctccaacata	gcaggttcct	aaccttaagg	agccagagaa	caagaccggg	gcttgatacc	2400
agtgcctcag	agttataaca	cacagtttgg	gagtcctgag	ctgagacttg	ggcccttaaa	2460
atcttccaga	aatgaagcca	gtctactgaa	cccaccttat	accacaatca	aaacccgaag	2520
gtcattaaat	atgatataaa	aagggggaaa	aaaaaacaaa	aacagcaaca	tcaaagattg	2580
aaggaacatc	attctacaaa	gatgagaaag	aaccaagata	agaactctaa	caactaaaaa	2640
gccagatggt	cttctttcct	ccaaacaatc	acactagttc	tccaataatg	gttcttaacc	2700
aggctgagat	agctgaaatg	acagaagtag	aattcagaat	attgataaga	acaaagatca	2760
tgcgaattca	ggagaacact	gaaacccaat	ttaagggaagc	taagaatcac	aataaaaaca	2820
tacaggaggt	gacagacaaa	atagccagta	tagaaaagaa	tgtaactaaa	ctgatagagc	2880
tgaaaaatat	actacaagaa	tttcataatg	caattgcaag	tattaatagc	agaatagaac	2940
aagctgagga	aagaatctca	gagcttgaag	actgaacttc	tgaattaaga	cagacaaggga	3000
gacagtcaga	caagaacaga	gaaaaaagaa	taaaaaggaa	caaacaaaac	ctttaagaaa	3060
aatgagatta	tgtaaacaga	ccaaatctat	gacttatttg	tgctcttgaa	agagatgggg	3120
agaatgggag	caacctggaa	aacatattcc	agcatatcat	tcatgagaac	ttcccaacct	3180
agctagagag	gccaacattc	aaattcagga	aatgcagaga	accccccacaa	gataacttcac	3240
aagactgtcc	ccaagacaca	taattatcag	attctccaa	atggaaatga	aagaaaaaaa	3300
tgctaaaggc	agctacatag	aaaggaaaag	ccatctacaa	agggaagccc	atcagactaa	3360
tagtagacct	ctcagcagaa	atctacagag	ccagaagaga	ttggaggcct	atattcaaca	3420
ttattaaaga	aaagaaatcc	caaccaagaa	tttcatatcc	agccaaacta	agattcataa	3480
gtgaagaaat	aagatatttt	tcagacaaact	caacgctgag	gtaatacatt	accaccaggc	3540
ctgcctaaca	agagttcctg	aaagaagcac	taaatataat	aaggaaagac	agttaccagc	3600
ctctacaaaa	atgcagttaa	gtatatagac	cagtgcacgt	ataaagaaac	cacacaaaaa	3660
atgcacagaa	tygcaagctg	jataaagaag	caagacccaa	tygcatactg	tcttcaaggg	3720
actcatatca	catgcagttaa	cacacatagg	ctcaaaaata	agggatggga	aaaaattttac	3780
caagaaaata	gaaaacagaa	aaaagcaggg	gttgcaatcc	taatttcaga	caaaacagac	3840
tttaaaccaa	caaagaccaa	aaaagaagaa	gaagggcatt	acataatgat	aaagagttca	3900

acaagaagat	ataactatcc	taaatatata	tgcacccaac	acaggagcac	tcagattcat	3960
aaagcaagtt	cttagagacc	ttcaaagaga	ctcagactcc	catacaacaa	taggggggaga	4020
cttcaacacc	ccactgacaa	tattagacag	atcatcaagt	cagaaaatta	aaaaagatat	4080
tcaggacctg	aacttaacac	tggaccaaat	ggacctcata	gacgtctaca	gaactctcca	4140
cccaaaaaca	acagaatata	cattctttctc	actgcctgcc	acatggcaca	tactcccaaa	4200
tcaacgacac	catcagacat	aaaacaatca	tcagcaaatg	caaaagacca	aaatcatacc	4260
aaccactctg	tagaaccaca	gtgaaataaa	aatagaaatc	aagactaaaa	aaaaaattgc	4320
tcagaaccat	tcaattacat	ggaaattaaa	caatctgctc	ctgcatgaca	tttgggtaaa	4380
taatgaaata	aaggcgagaa	tcattaagtt	tttttaaacc	aatgaaaaca	aagacacaac	4440
ataccagaat	ctccaggaca	cagctaaggc	agcgttacaa	gggaaattta	tagcactagg	4500
tgcccacatc	aaaaagttag	aaaggtctca	aattaacaac	ctaaccaccac	aacaaaaaga	4560
actagagaag	taagagcaaa	ccaaccccaa	agctagcaga	agacgagaaa	taaccaaaat	4620
cagagctgaa	atgcaggaga	atgagacatg	aaaaaccatt	cacaagatca	atgaatccag	4680
gagctggttt	tctgaaaaaa	taaataagat	agatagactg	ctagctagac	taataaagaa	4740
gaaaagagag	aaaatccaaa	taaacacaat	cagaaacaac	aaaggggaata	ttaccactca	4800
ccccgtagaa	atacaaataa	ccatcgjaga	ctactatgaa	cacctctatg	cacacaaact	4860
agaaaatcta	gaagaaattt	ataaatgctt	ggacacatac	accccccaaga	ctaaaccagg	4920
aagaaaactga	atccctgcac	agatgaataa	tgagctccat	tactgaatca	gtaataaata	4980
gcctaccaac	ccccaccccc	aaaaaaatgc	ccaggacctg	atggattcac	agtcaaattc	5040
taccagatgt	acaaagaaga	gctgacacca	ttcctagata	aattattcca	aaaaaattga	5100
ggagaagggg	ctcctcccca	ggtcattcta	tgaggccagc	ataatcctga	tactaaaacc	5160
tggaagagac	acaataacat	caacaaaaaa	cttcaggcca	atatccttga	tggacattga	5220
tgcaagaatc	cttaacaaaa	tactaacaca	ctgaatgcag	cagcacatca	aaaagcaaat	5280
ccaccatgat	ctagtaggct	ttatacccag	gaggcaagggt	tggttcaaca	tactcaaate	5340
aataaatgtg	attaattaca	tagacaggac	taaagacaaa	aaccacatga	ttatctcaat	5400
agatgtagaa	aggttttttta	taaaattcaa	catttcttta	tgttaaaaaat	gctcaacaaa	5460
ctaggtattg	aaagaacatg	cctcaaaaata	agagccaact	atgacgaact	cacagccaac	5520
atcatactga	ataggcaaa	gctggaagca	ttccccttga	aaaccagcac	aagacaaaaa	5580
tgccctctct	caccactcct	attcaacata	gtattggaag	tcctggccag	agcactcagg	5640
caagagaaa	aaagaaaagg	catccaaata	ggaagaagggt	aagttaaaca	atccctgttt	5700
gcagatgaca	tgattctata	tctagaaaaac	ccctagtctc	agcccaaatg	ctccttaagc	5760
tgataaacaa	cttcagcaaa	gtttcagjat	acaaaataaa	tgtacaaaaa	tcactagcat	5820
tcctatacac	cagcaacagc	gaagccgaga	gccaaatcag	gaacacaatt	gcacttgcaa	5880
ttccacaaaa	aaaaaaaaaa	atacctacga	atacagctaa	acaggggagg	gaaagagctc	5940
tacaatgaga	attacaaaat	actgctagaa	gaaattagag	attacacaaa	caaatgggaa	6000
aacattccat	gctcatggat	aggaagaatc	aatatcatta	aaacgacca	agcgggtttat	6060
agattcaatg	ctgtttccac	caaactacca	gtgatattct	tcactgaact	agaaaaaaat	6120
atttttaaaat	ttatatggaa	ccaacaaaga	gcccaaatag	ccaaggcaat	caaagcaaaa	6180
agaacaaaagc	cagaggcatc	atcctacacg	acttcaaact	atactacaag	ggtacagtaa	6240
ccaaaacacc	atggtttctg	tacaaaaaca	gacacataga	ccaatggaac	agaatagaga	6300
accagaaaat	aaggctgcac	acctacaatt	atctgatctt	tgacaaagct	gacaaaaaca	6360
agcaatggag	aaaggacttc	ctactcaata	aatggggctg	ggataaactgg	ctagccatat	6420
acagaagatg	gaaactagac	tccttctctta	caccagatac	agaaatcaac	ttaagatgga	6480
ttaacaactt	aaatgtaaaa	cctaaaaacta	taaaaaaacc	tggaagacaa	tataggcaat	6540
accattctgg	acatagaagt	gagtgaagat	ttcatgacaa	agacacccaa	agcaattgca	6600
acaaaagcaa	aaattgacaa	atgggatcta	attaaactaa	agagcttcta	cacagcaaca	6660
gaaactatca	acaaagttaa	cacacaacct	acagaatggg	agaaaagtgt	tgcaaaactat	6720
gcatctgaca	aagggtctaat	atccagtatc	tataagggaac	ttaaaacaaat	ttacaagaag	6780
aaaacaaaaca	acccaattaa	aaagtgggca	aaggacatga	acaggcggtt	ttcaaaagaa	6840
gacatacaca	tggccaacaa	gcatataaaa	aagctcaata	ttacttatca	ttaaagaaat	6900
gcaaatccaa	atcacaatga	gagatcctct	cacaccagtc	agaatggcta	ttatttaaaaa	6960
gttaataaagt	tggccgggtg	cgggtggctca	cacctgtaat	cccagcaact	tgggaaggctg	7020

aggcaggtag	atcacaaggt	caggagatcc	agaccatcca	ggctaacatg	gtgaaacccc	7080
gtctctgcta	aaaatacaaa	aaaattagcc	gggcgtggtg	gcgggcgcc	gtagtcccag	7140
ctactcagga	ggctgaggca	ggagaatggc	atgaacccag	gaggtggagc	ttgcagttag	7200
ctgagatctc	accactgtac	tccagcctgg	aagacagagt	gagactccat	ctcaaaaaaa	7260
aaaagttaat	aaacaacacg	ctgacaaggt	tatggagaaa	agggaatgct	tatacactat	7320
tgggtggagt	taaattagtt	caaccattat	ggaaagcagt	gtggcaattc	ctcaaagagc	7380
taaaaacaga	actaccattc	aatccagcaa	tccattact	gggtatatac	ccaaagaaat	7440
gtaaatcatt	ctatcacaaa	gacacatgca	cacacatggt	catcatagca	ctattcacaa	7500
tagcaaagac	atggaatcaa	cctaaatgcc	catcaacgac	agactggata	aagaaaatgt	7560
ggtacatata	caccaaggaa	tactatagag	ccgtaaaaaa	gagcatgtcc	tttgcgggaa	7620
catggatgga	gctggaagtc	attatgctta	gcaaattaat	gcaggaacag	aaaaccaa	7680
accacatgtg	ttcacatata	agtgggagct	aagtgataag	aacacatgga	cacaaagagg	7740
ggaacaacac	aaactggagc	ctagctgagg	gtggaggccc	cagggaggag	ggagatgagc	7800
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaatgac	tgggttctag	gcttagtata	7860
taggggacaa	aataatctgt	atgacaaaac	tccatgacac	gagtttacct	atgtaaaata	7920
aaagtttaac	aaaaaactaa	aaaagttacc	tatgtaaaac	aaaagtttaa	caaaaaacta	7980
aaaaaagtta	cctccaccca	gaaatgcctt	tattaacact	ttggtttgta	accctccatt	8040
attttctcta	gacatataga	tttatgaggg	aggctaattg	gctgagacac	tagcttgagt	8100
ttcatttggt	cttgctgtga	atatacctgg	gccttccttt	gcttcaggat	gccctaaact	8160
gtggcaaagc	agagctgaac	tgcccaaagg	aaagtgtgaa	gaggagaggc	aggccaagcc	8220
tggagaaagg	ctaccaaga	gagaggaaag	gaaactgtgg	tgagtgcacc	tcactcctaa	8280
agaaggacag	gaactctggt	aggtgaggtg	tgttttccat	agatactaaa	actcaaagcc	8340
acacagggga	catatgtcca	ttcctcagcc	agtcactgtg	gccaggaaca	gagggtcagg	8400
taagagaatg	gcaactccta	aggaaaaccac	atgcctggag	ccgtgggtgt	agaagcagat	8460
ccccagagga	agcacgggtc	ccacagacac	agtcaccaact	cttgccgtct	aggcagccac	8520
tcccatctgt	aggtactaca	cagcttcgtta	gtactttctta	aagtacttct	tgttcaagcg	8580
atgggacgaa	aagaggatgc	aggacaaggga	ggaggaaagg	agatccttgc	ttttgtagaa	8640
gaaacaaggga	ggcaggggaag	gcttagagga	caggcaaggga	gagatgtttt	cttaaaaaaca	8700
tcctctgtct	gagtgttcag	ccccacatct	ctgctgggtcc	tacccctata	agcacaaggga	8760
aaagggcggg	aggcagcagg	agaaggattg	atcattcagg	cctatatcca	agtttgccct	8820
ttcttgccat	gtggttttaa	tctcaccaat	cacaagccctg	aaggtatagt	ggggccactg	8880
aggcccgagt	tcaaattcag	ccatgcaact	aaggaaacat	tgtttgatct	tggtcctggt	8940
ttctcatgtg	taaaatgggt	ctaactctaa	accacacatt	gcactgagaa	tgaaatgagg	9000
cactatgaaa	tgaagtgagg	ttagttgaat	aatgtttccc	ccaaattcat	gtctactgag	9060
gacctcagaa	tgtgactata	tttggaagta	gggtctacgc	agatgtagtc	taaatgaggt	9120
catactgcct	tagggtgggc	actaatcaaa	cgatgggtat	cctcataaga	ggagagggaat	9180
gtagagatac	acacagaaaa	gaatgtcatt	tgaagatgga	ggcagagatt	ggagtgatac	9240
aactataagt	cagggaatgc	caaggacttg	aggtcatgtg	ttacagaagc	cctaggaaat	9300
gagtcaattt	cctggcacag	cactaagaca	tgctgggtatt	cctcattcca	tccctttccc	9360
ctattcctaa	atgtgctcca	gggacaatgg	ggaagctgga	gcacatataa	gaatagggga	9420
aagagagggga	ataaaaagggt	attaaaaact	ctcaagggtat	gttaaaaaaa	agactctcaa	9480
caaaccaggt	attgaaggaa	catacctcaa	aataataaga	gccatctatg	atgaacccac	9540
agccaacatc	acactgaata	ggcaaaagct	ggaaggatgc	cccttgaaaa	cgggcacaag	9600
acaaggctgc	cttctctcac	cactcctatt	caccatacta	ttggaaagtc	tgggcagagc	9660
aatcaggcaa	gagaaagaaa	gaaaaggcat	ccaagaaggga	agagagggaag	tcaaaactacc	9720
catgtttgca	gatgacataa	ttttatatct	agaaaatccc	acagtctcag	cccaaaagct	9780
ccttaagctg	ataaaactta	gaaagtttca	ggtatccaca	tgaacataca	aaaatcacta	9840
gtattcctaa	acaccaacca	tagctaagcc	aagagccaaa	tcagggaatgc	aatcccattc	9900
acagacaaaac	tgctaaaagc	aaaacccaaa	ctttccaaat	aagccaggct	tttgtcagtt	9960
cctcagaact	agttctggtt	tgactcactc	tcagtgttacg	gcaaaacctta	agctgaatga	10020
acaacttttc	ttctcttgaa	tatatcttaa	cgcbaaattt	tgagtgtttt	tttgttacc	10080
atcctcatat	gtcccagcta	gaaagaatcc	tgggttgag	ctactgcctg	ttgattgttt	10140

tgtttttccct	tttggtctgtt	catttttggtg	gtactataaa	ggaaatctaa	cacaaacagc	10200
aactgtttttt	tgttgtttac	ttttgcatct	ttacttgtgg	agctgtggca	agtcctcatg	10260
tgagtaacga	gtgggttgag	atactctcat	actattatgt	tgtggaccat	gatgaggctg	10320
ccagggtggg	ggaagggtgg	cctaccttct	ctccacacca	tttgaggcaa	gagacattct	10380
gcctcagaaa	ttgtgctgag	gggcacaaat	aagctaattg	cctcctgccc	cagattttctc	10440
tcacttgttc	ctatgcatat	tgttcttggt	gctcagtttt	ataagggtgag	atattttctg	10500
caccaaatat	gtgcactgta	aaataatata	actattctta	agattgtctc	tcagcttaga	10560
gttttcggag	gcttaatggt	gaagaactta	aaaatctggt	ttcctatgac	tgacatctgt	10620
ttgtgattat	ccatttagca	gacggtgatc	cctccaggct	ggcctttggt	tacaagctat	10680
gcctaagagg	cagctgttgg	tggaggggga	acaaaaacaa	aaaacccaaa	actattatct	10740
taataactta	tagaggtaat	cattattgaa	caaaagcatg	atttggggac	tatggaaagg	10800
cttattcttt	ccatataaaa	tgatcagcga	aaaggtagaa	aaattaaaca	gaactgaaat	10860
aattgctatt	gattgctcac	cgcttgatg	caactgagtag	aagagcaaa	gcaatgggtt	10920
catgtggagg	ggatggagggt	ggagaggcta	agcctgagtg	agattacca	ctaactcagga	10980
cttttaaccc	aaaaatacta	tggctctgag	gggcagggaa	tgagagacct	aaattgacaa	11040
aatgcagagt	aaaaatatct	agtgtgagca	gtaatgagac	agttgtatca	gggtcaaata	11100
cggagttggc	ctggatgtcc	tccaagctcc	tttccaagcc	taagattctg	tgagtggatg	11160
aacaatcctg	gtcctgctgc	tcttgccact	ggaacctgat	ctatttgcc	tcattatttg	11220
aggtctcccc	atcatcaggc	tctttgttgt	ctgctgcttc	aggggtgtct	ctccccagat	11280
ttctcctggt	ggtgagcttt	tccattgaac	tggagctcct	cacaggcaag	aagcacacct	11340
ttaaggttct	ctgagtccca	agttcctagt	gcagtacctg	gcaatacaca	taggtgctta	11400
gtgggtgctt	gccgaattgt	tgaatggatt	tatttgatga	aatgtcagga	gaatcaccag	11460
aaatgaaatg	ttcgtgtaat	ggacaggggg	aagtttgagg	ttgatttgaa	aaaggagatg	11520
gtagagacag	tattatgggt	catgcttcag	agtttatttg	ctttacaata	cattggacag	11580
caaccagtag	attgttgtgt	gtcattttta	ttccacatgc	taatgtccaa	atatgtcata	11640
tgtcttaatt	gttgcatacg	tgggttactc	tgtaaagggg	caactgtagt	atcacctcct	11700
catgccacac	cctgctccac	tgtagctggg	ctcgataacc	ttcaaataca	ctcacagaat	11760
tccaggacag	acaagagcat	ctgaaagggt	atctagcccc	agtcacctct	gatgccttcc	11820
agctgtctct	aacacacctg	tgggtgact	tccagttctt	agtcttcacg	gctccctatg	11880
atgaactgcc	cctgctttga	gggattttcc	tccattgcct	cagaagtact	gccttggggg	11940
agcttctgat	gctcttctga	ccaccttgte	tctgcctttt	tcactagtcc	tctgttctctg	12000
ctctccaaat	tttgggaagt	tcttgagttc	agatcttttc	tttataatct	ttcttttata	12060
ttctccccat	cagatgggtc	attcattcct	caatattaac	taacattttc	atattagaaa	12120
taacttcctt	atcttttagcc	ctaaaatttg	tcccaaactc	tggacctaca	attttttgga	12180
atgcttatgc	cttgcccaga	ctaaaaacca	acttactgtc	ttccctctaa	aatcagctcc	12240
ccatctttct	tttctccctg	ccacccttcc	tcccccatgg	ctccaatatt	gtcttgccag	12300
tctgggtctt	aaaccacagt	caatcttggt	gcttttctct	ttgtctcttg	tgcattggctg	12360
atcagcagtc	aattgttttg	tcaattgtct	tatatgtttc	ttcttctctc	tcttctgttc	12420
ctttttctga	cctgaagtta	gggccttggt	accaaactcc	tagatgaata	cagtgaaccc	12480
ctaattgaga	ggctgtctac	caattccacc	cacctccaat	tctataactca	aaaaaaaaat	12540
tagatgtaat	ctttttcaga	tactcctttg	gtattgtccac	ttagtctttg	agtgaactgoc	12600
actatttccc	gattggcagc	tctgcttggt	attaagctct	tgacattctc	aacctaaagt	12660
tccagccaag	ttactctggt	cattgtcccc	tcaaacagcc	tgtgcatttg	cacctctgag	12720
actgcttctg	agtcagctat	gcactgccc	ttagaatagc	ttcaacccca	aatcctacca	12780
gtgcttcaaa	ggcccagttc	aaatccctac	cctctgggaa	gtctcccttc	cttttagtcaa	12840
ctctagggc	ttttgcaatt	ttatcccttg	ttttacatca	gttttaactat	ttttcatgtg	12900
tgagagtttt	aaccttccaa	ttatggtaaa	atgtctttta	gggcaagggg	cctttcttag	12960
aggaaaacct	ctatgaattc	tccaatgata	aattatttota	tgaattctca	caactttcta	13020
atataaaggc	ttataaaaag	tgggaactca	ctgtttattg	cttaaaaaat	tgagattttaa	13080
tttgaactta	aatgctctat	taaattjagt	agaatagcat	cttaaggcta	ctggtagtct	13140
atctatgcca	cagatgggtt	agagatcaaa	taattaactca	tatacctatg	acagcagagt	13200
actggctgta	agatccccc	aaaactcaaa	tacctattgg	gtttgtcagg	caacaaaaat	13260

aagtgaatcc	agctaggtct	aatacaatgg	aaaatggtag	gacctggggc	aaactctgca	13320
taacttgccc	aaaggcattc	aaattcagat	tatgttcaga	cattgctaata	tacaattagt	13380
gtcttagaca	cttggcttca	aaacagtggg	tagttcaggt	atttcagatc	aattgggtat	13440
gcatttatct	aggtcttcat	ggatagccgg	gctctactag	acactgggag	aggggaagagg	13500
caaattggat	aagactggca	gtattttaaca	agaatgaag	tattttacaa	acatgatcct	13560
ttaggctggg	tattgtttaca	caaaggaatg	atttgctagg	attcttgaga	tacttccata	13620
gaatgtctat	gctcacttta	ttgcacagac	cagagaattc	cataaaagca	ctggctgtgt	13680
cttattttacc	cttgtatact	agagcttggc	acatagtaaa	taccaagtaa	atgttttgaa	13740
taaaagaaa	agataattaa	agcttcagca	ccacaattat	ttgtattttca	tctatcagtt	13800
tggaaataga	tctccacaga	cagtagaaat	ggcaagaaac	taggcctata	gcaaccaaga	13860
agtgaaactg	ctagaacctta	ccatcatttc	tgatcctctt	gcaaattttg	cttgaaaaaa	13920
atttcctcat	tttctgttta	cgaacttata	ctcagaattt	acagatgttt	ccttgatttc	13980
tctggaaaaga	tacaacttcc	taatgcaatt	gagtaaattg	atacttctta	tgtagaaata	14040
agcagaataa	gctgggcaag	gtagcccaca	actatagtcc	cagctacttg	ggaggctggg	14100
gcaggaggat	cacttgaagc	cagagtttgc	ttgaggccag	gaattcgagg	ctgcagtgtc	14160
ctatgatcac	acctgtgaat	agccactaca	ctccaggcta	ggcaatgagt	gagacctagt	14220
ctctaaagaa	aaaaaaaaaa	aaaaaaaaaa	gacaaaataa	gatcaaaatt	gagtatgaac	14280
tgataaatac	aaggtagaca	agaaatatcc	tgagaggcgc	aatcgttctg	cagacatttg	14340
cttgggaagc	tcaggggagg	atttatgaag	gaggtagccc	tgagtgaagc	ttaaaaaatg	14400
ggtagacttt	taccaggcaa	gatcttagtg	aagttagtga	gaggagtggg	catataggaa	14460
ttcatgggat	ttttagacca	aagattacca	ccctcataag	tgataatgac	gatgaatgtg	14520
aagaatgttt	accacttgca	aagtattttt	cacatacctt	gtccaagtcc	ccacaagcat	14580
ttctgttcac	tacctgtggg	ttgggtcaaga	gacccagata	ttagagaacg	tgttgatttc	14640
tagttttctaa	ctccgcccac	taacattaag	atgaaaatgg	atagccacat	aggaacagac	14700
atcaataaac	atattttagaa	aacacaagtg	aatttttaaaa	ggggagactt	aagaggtggc	14760
atggttgttt	gaacatgttc	gtttttgtct	cctggagaaa	agtcagcaca	atgctcattc	14820
agctacataa	gtgtttctgt	tacagctctt	tcagtcacac	attcggcagg	tcctgaattc	14880
ttgtcccttg	tccagaaaaa	atgaggtatg	tggacaactg	gagggtgagc	aaggcggaga	14940
ggagcttcgt	tgagtgcacg	aacagctttc	aggagaccca	aagtgggtag	cacttttcca	15000
taggcaggaa	atgagtgttc	aactctcagc	agagaggaga	cccacaatgg	atagctcctt	15060
accacaggca	ggtcatccca	gagaggtgag	gagacacaag	ccaggcacag	tggctcacgc	15120
ctgtaatccc	agcacttttg	gaggccgagg	cgggtggatc	acgaggtcag	agttcgagac	15180
cagcttgggc	aagatgggtga	aactccatct	ctactaaaaa	tatgaaaaat	tagccaggty	15240
cagttgtgca	cgctgtttgt	cccagttact	caggaggctg	aggcaggaga	atcacttgaa	15300
cccgggaggc	ggaggatgca	gtgagccaa	atcacaccac	tgcactccag	cctgggtgag	15360
agagcaagac	tccatctcaa	aaaaaaaaaa	aaaaaaaaaa	aaaaagaaaa	gaaagaaaga	15420
aagaggagat	ctgaagtggg	caactgcttc	ccctagctgg	tagtcccaat	gtctgttcaa	15480
gtctggctga	gtccagggtt	ttgtgtttgt	ttgtttctgt	tttttgagac	ggagtctcac	15540
tctgtcacca	gggctggagt	gcagtgccgc	aatctcgggt	cactgcaaac	tctgctctcc	15600
gggttcaagc	gatttctcctg	cttcagcctc	ccgagttagct	ggtattacag	acacccaccca	15660
ctacatccag	ctaatttttt	gtattttttg	tagagacggg	gttttcgcat	gttggtccagg	15720
ctggtctcaa	actcctgacc	tcgtgatttt	cctgcctcgg	cctcccaagt	gctgggatta	15780
caggcatgag	ccactgagcc	cggtcgagtc	cagggttttt	acaggctcag	aagggaggaa	15840
gagtgtgctg	attggcccat	gggcagccat	ggaaggggcc	agaaaaagca	ctgtaagtcc	15900
ttaccccagg	ctgtggactc	caccacacat	tggcaacctg	gctcccaggc	tttgggccat	15960
ccctggcttg	aagggttggg	ttcacccagg	acctaacccc	tttcggccaa	ggaacctgtc	16020
tccctcttgc	catcaacatg	ctgtccatga	tgcacaggct	gttcgtgccc	aggggtgccc	16080
gcaggcctgc	cctgagccac	cctcagcccc	tgcacaggct	ccctctgtgc	ttgtcagcac	16140
ccaacatctg	gaagaggctg	aggcagccag	gggttagtgt	gtcagtacca	tcttgagcac	16200
ccacatgccc	ggccgggttg	tgacagccac	taggcttggc	cacaactttg	cttcacccag	16260
tagcaggtgc	caggagtggg	aagaggccag	ggagtgggag	caggcaacttt	caaccttgtg	16320
ggagcagggg	acttccctgg	cccctgagag	tacagagatg	cctgggtcca	gagccactgc	16380

tgggcagcta	caggggtgcc	tgggagcatg	cggttccac	cccgccaact	cagtacgggg	16440
cgggactccc	acctgttctt	ggcctccctg	gccacacctc	cactgctgca	gctgctctaa	16500
acgggcagct	gctgccatca	ctgtgagcta	tgattgtgcc	actgactcca	gcctgggcaa	16560
cagaaagaga	cctatatggt	atgttaaagt	gtaatgactg	ctttggggga	gaaaagatga	16620
ctaaggattg	ttgggaatgc	tggggtaggg	ttggagtgtc	cttgcaattt	tacataagac	16680
agtctcagga	gaaaaaacia	tgaaagtgtc	cgggtagagg	gacatgtaca	ctggcagcaa	16740
ggtcttcctt	tagggattgg	atctgcggaa	gaggccacac	aggcctggaa	gcaggcttaa	16800
ggccattcag	gctaggaatt	ccagtgtttc	aaagacagac	tgcaatggat	ggcggttggt	16860
aggtcaaaag	ctccagataa	catctctcag	ccctgcgaac	accttactct	cggggagaag	16920
gatgggcaca	gtgggtcctt	taaagcatgg	ggtccaggac	aggggcctct	tgtcttggct	16980
gttgaaaaaa	ctgggtttta	cactgagtga	aatgctgagc	catcggaagg	ttttaagcaa	17040
atatggtttg	acttttattt	tttaaaaacc	actctggctg	cagaatcaac	tgaggaagg	17100
caaaactgga	atcatagcat	ccagttgtca	gactaatgca	gaaatcacca	tgagaaatga	17160
caatgactct	gaccgatatg	gaagcagtg	aggtggtgag	aaatggctag	attctggata	17220
tatttgaagg	aagggccaat	agggttggtt	aatgaatcag	atgtagagt	agaaaagaaa	17280
ggactcaaga	tgactccaag	gttcttgtcc	ttcacctcaa	taagtggagg	atggagcaga	17340
ggaaggcaag	actagaaggt	aaaaatagca	gtgagaaggc	tctgctatgg	tataagaaga	17400
aatgataaga	agctgaatta	aggtgatggc	agtgggtgg	agaaaaggag	agccaccatg	17460
caaaaagtat	ccaggaggga	gaattaacag	gactagggga	tgggccatat	ttgcaagatg	17520
agaaatgcag	aggtctaaga	ttctagctta	aggtgggtgt	tgctactatt	agcataatag	17580
gaaaacaagg	cacaaagact	tttcaaaatt	tgtccaagg	gttagaggct	tacaatttgt	17640
aaaaccagga	ttaaacccag	atgtgtctga	ttttagagcc	tgagctctta	ctcattgcat	17700
aaaccatatt	ttccccagag	gaggattagt	aggaaaggaa	gctgctgggt	ggaaagtatc	17760
tttatagcag	tgtctgttcc	tcggtttgct	caaggggaca	gtgtgccagg	aaagtccccg	17820
tggaagggca	aggaagaagg	ggaagttaaa	gccagtggca	ggtgatccaa	gaatcttttc	17880
tgttgctaga	gctatgttac	atgctgtcct	ttcatgctct	aaaaataaga	gtgctggcaa	17940
gtgccaggcc	tgttggtgca	gcttaagatg	atacctttct	tgatatata	tgcatctgaa	18000
taaggaaggc	tatcttctgg	tcaagctaag	gtatgccatg	agcatttccc	tgtggaaagc	18060
acttaattct	gttcccagtt	gttacctgct	gtaagatctc	cctttctaaa	ataaaaaaaa	18120
gaatacagct	cactgaggac	cttacatttc	cctctagcta	ctgactcatt	tctcttctcc	18180
tttttatagc	actcttcttg	agagagttgc	ctatatattg	tgccacatct	ttaccatttc	18240
tcttttgaac	ctattcaagc	tttcatctgt	acaaaactca	ctgatactgt	gcttgtcagg	18300
atcatccatg	acctccatac	tgctaaatgc	aactctcaag	agtatttggc	tctactgac	18360
actcctttgt	agcactgtgt	tttaaaatat	aggttttatt	attatttagg	tatggtgagg	18420
ccaatatatc	aggaaatgac	tgtcgttgaa	aaaagtatgt	tgtactcaca	gatcccaaga	18480
gaaggggggc	acaccatgcc	acaaagggcc	acatggggaa	gcaccagggt	cagccaggag	18540
gtgggtgggg	ggtgcgcaag	atcttttattg	tggtttcaac	aggaagaaat	gggtgaagca	18600
gggtgagtgg	atthagatt	agctgatata	aataatttca	gcaggctctg	gggcataggg	18660
gctgtcccta	gtcttctggt	acttggccct	gggtgatta	aggcagttgc	atagtgttgg	18720
gaatgtgaaa	gcccccaata	aatgaggcag	ttgtgggtat	gggctctgaa	atgggttgg	18780
ttgcatttga	aagggtgtgt	catgggcaag	tggtttactc	tctcttagag	gttagaattg	18840
gctaaccctg	ggagcggcag	tcccttcagg	gtcagcaagg	cccagggtgt	caaagcatca	18900
gaatacagaa	aataaaatgc	atggataata	cacactgcca	tttgcccttg	tacccttctt	18960
ttcaatcttc	tctgctgggt	accgctcttc	acaaagatct	ataaatgttg	gaatacccca	19020
tgtctcagtc	cttgggcact	ctctttccta	tctctctgta	ggtgatgtaa	tgagatatc	19080
catgacttta	aatctttaac	acttctgcat	tgatgactcc	taaatttaca	tctctacccc	19140
aactgcctac	taaacacctc	cacttggcta	tctaataagg	atttcaaac	aaatctacaa	19200
caaacgtaac	tctttttccc	cttccctaat	ttgcttctcc	cccagccttc	tccattttta	19260
taaacagcat	ctccattgcc	ttagtgactc	aagccccaaa	cttaggaatt	ttcccagatt	19320
tccctctttt	tctcaaaacta	tatatctagc	ctgtcagcag	ttcccttcag	gtcttttttc	19380
aaactataga	aggcctaaac	aaaggaaaga	catgctgtat	tcatgaattg	gaagactaaa	19440
tattattcag	ctggctgtat	tccccaaatt	gatctatgga	ttcaatgcaa	tccctaccaa	19500

aattccagct	tcctttgtct	gcagaaatga	gcaagttgac	cctaaaattc	atttgaaaat	19560
gtaaggaagc	ccgaatagcc	ccctaaaaaa	aaatcttgaa	aaagactaac	aaagttggag	19620
gactcacact	ttccagtttc	aaaacttact	acaaagctac	agtaatcaac	gctgtgtggt	19680
actgacatag	gatagacata	tagttcaata	aaacagaatc	gagagtccag	aaatacatcc	19740
ttatatatat	gatcaattga	tgttttgcaa	gggtgccaa	acagttcaat	agggaaagaa	19800
taatttcctc	aacaaattgt	acaggcacaa	ctgaatgcc	acaatcagta	gaacaaattt	19860
ggaactaaag	ttcttatatt	taggttcttg	atccattttg	tttaattttt	gtatatggta	19920
tgaggtaagg	ctccaaattt	gttcttttgc	atgtggacat	ccagttgtcc	ctgtacaatt	19980
gctccattta	tatttatctt	agcagaaaa	acagatgtaa	atctttgtga	ccttgactag	20040
gcaatgggtt	cttaggtatt	acacctaaag	cacaaacaat	aaaagaaaa	agtagataaa	20100
ttggattttt	ttacttaaaa	tcaatttgtg	tttcaaaatt	aaataaaatc	aaaattaaat	20160
taaaacattt	atccttcaca	ggattctata	aagaaactga	aaagacaatg	tgacagaatg	20220
gaaaaaatat	ttccaaatca	tatatattgat	aaatagtttg	gcaattcctc	aaaaagttta	20280
atatagagtt	accatttaat	tcagcaattc	tactcctaca	tatgtaccca	agataattaa	20340
aagtatacat	agacaaagac	ttgtatatga	gttttcatag	gaactttatt	cataatagcc	20400
aacaagcaga	aacaatccaa	atgaccatca	actgatgaat	gggtaagcaa	aatgtgggtat	20460
atcatacaat	ggaatattat	ttagtcacaa	aaaggaacgc	agtgtctgata	tatgtctacaa	20520
tacagatgaa	ccttgacaac	attatgttcg	gtgaaaaaag	ccagccacaa	aagtccacat	20580
attgcttgat	tccattttta	tgaaatatcc	agaataagca	attgatagag	acagaaacta	20640
gattagtggg	tgccaagggc	catagggaaa	gggaagggga	aataggaagt	ttctgctaata	20700
gggtaagggg	ttccttttca	gggtaatgaa	aatgttctaa	aattggataa	tagtgtttgt	20760
tgcacaaact	cgtgaacata	ctaaaaacca	cagagtcgtg	cacttaaaaa	aagtttgtgt	20820
tttaaataata	tatacacact	tagacacata	taaccctctt	tcgtatatca	attatacttt	20880
aataaagctg	ttgaaatttt	taaaataaaa	ttttaaaaaca	aagaaaaaat	atataaactc	20940
gccaacagac	cacttctcac	ccctactagc	ccctctactc	taagctatca	gcatttctgc	21000
aaacacattc	ctaaccgatc	tactgtcttg	taatcttgcc	agcaacctct	ccctctcagc	21060
aatagtctat	tgccacacac	aaagcttagt	tgtctcttaa	tgatgtaaat	gaggttctat	21120
catttctcctg	acccaaaccc	tccactgctt	ttcatcacac	tcagagcagc	tctgtctgtg	21180
cctgatttag	atgtatggct	ccaacagatt	tcccctgaag	aaatgattcc	atggctgata	21240
aaagttggaa	agcctcctca	gtttcagacc	attatcagat	tagctgtgtg	ctctgtccct	21300
ttcctcaacc	ataagaagtc	catggataaa	gaaagcttca	gagtaaagga	gaaagcatgg	21360
gaggtacagc	aggaccaagg	tggggcattc	gcagccccc	ccctcatcag	agccagttcc	21420
ctactctccc	tgtctaaacc	tcttagtaag	aggtagttca	agagaggggc	aaactcaatt	21480
ccagcactca	aaagcacttg	actactttgc	tcagtcactc	agcaagtatt	tattgagaat	21540
gtagctctgt	tctatggagt	cttattttca	agtgtcagac	tcccagacat	ccagtcacag	21600
taaagaagat	ggtgtccatt	attcatttga	caaacaaagt	tgggggttcaa	gggcccagcta	21660
ttgaaaaaag	ctatggaaaag	cttcatgaga	cgtgcaggta	actgccaaata	tgtgtgtgtc	21720
acaaggactg	gttcatattc	agaaacggcc	attagaaaag	gaagaagaac	ttctcatttg	21780
gatttataaa	gagtgtcttg	tttactctta	atttatatct	tctcttctcc	aggaaatcaa	21840
cctataaactt	ctcctcccag	ctccactcta	ccatggctctg	tcaccttccc	caaattgattt	21900
gttatttccc	tgttttcaaa	agtgaacaaa	gaacccaaaga	cccagcaaa	tttcacaagg	21960
ccctgagact	ttcaattgtc	tatttcagat	caaatacaga	acatgatctt	cctcctgcta	22020
atgttgagcc	tggaattgca	gcttcacccag	atagcaggta	agaaaggaca	aagggagagg	22080
cttaagaaag	aagagcagg	ggtgggttct	agccaaaagc	aaaaatgaga	atgtggccct	22140
caggctgagg	gctttctttg	agaggacgta	tgatttctgg	gctattccaa	gcaccacaaa	22200
aaaaaaaaaga	gtcccatatg	tggcttatat	atgccaatgt	ccctatctga	cagaaacggg	22260
gactgagaat	attgtcccat	ctattcccat	tatccagtga	gggtaatgac	aagaagacag	22320
gatcactcag	accatgtaaa	tctaaaatga	tacaagagg	caggggttga	gttcccttaa	22380
aggtgagatg	ccaagcagct	gtccctctcc	tttctggcag	ggagagtaag	gagacaatgg	22440
ccagggaaca	ccgttactct	aaagataatg	tcttgaagac	attctgcata	ttattagttg	22500
tttctgtgag	tttctttttt	gaaaagcaac	aatagcagcc	gttgggtcatt	cataccttaa	22560
tgtggtttac	tgagtcttcc	taaaacccaa	atgaacaatg	aaccttaagg	ctatcccttt	22620

ggacttgaag	aaaggacttc	tattggagga	tgagggtag	cagaaagaaa	agcagtttca	22680
cagttggttg	ttctcctggg	gaaggtagtt	cagaccattc	gaggggtgtag	ttagaacccat	22740
gagtgcacta	ttttggatga	acaccaggag	ctaagagagt	aacatagagg	tgtggacaga	22800
ggattaagtc	ctcaagacaa	tagccccagc	cccatgggaa	atcatctttc	tgctcatgat	22860
tgagaaataa	tggctccctt	ggcacttgat	aacctttcga	agagctttct	cctccctact	22920
agctgggttc	agatcactct	tcacccagtc	acattcctct	cactcacttg	agctgcccag	22980
cctgggtctgg	cactagagac	atgcacttgg	ggccctcctc	aaaggaagac	cctgagatat	23040
tctgcttact	tctactctgc	tcctgcctgc	agggccagct	aaaggaactt	ttcatgtttt	23100
ctttgcaagg	aacctgtcct	ggctggcatt	ttagagacaa	gcaaaagggg	caataacttc	23160
cttgctacaa	aacagcttca	agtttccata	gagtgataag	ggaaatgagg	gccaaaagac	23220
actgttcccc	atcctgtggc	aggactgggg	gcttcaggag	aaaacttggg	gaatgtgtaa	23280
cctctgtggg	ttttagactt	aaaaacactg	agatcctggg	ttttctgtct	ttgttttttg	23340
ccttttctct	taggaaagga	gtgagctagg	gtgacaaggg	gcaacatttt	ttatccctca	23400
ttggctcttt	ctacagagga	aggatctttt	cttctaagat	aatcagcaca	agacaatgaa	23460
gataggcact	agctcccagt	taggtatact	aatggggcaa	aaggaagagc	atttacattt	23520
attgaagatt	cactaaatgc	cagatactgt	gctaggcaat	ttacatatgg	tatagttcat	23580
ttaatcttca	caatgatcat	tttgcagggt	agggaaactag	aactcagaaa	aggtacttaa	23640
tttccccaag	attacatagt	tattaggtga	caccggcaag	atttcaacaa	agctaattgc	23700
ctttctactt	tactgtgcta	ccatgatgat	ggtaatcaaa	aatggcagac	aacccataaa	23760
tcttccaact	ttggaatagg	tttttgcact	gaagtctgaa	tatggatacg	tattgaatgt	23820
ttattctgga	tattcacaga	atcaaaaaat	atgtgtaatg	aattatgttg	ctgaattaac	23880
tgaaaggaaa	gtaaaaatgt	agcgttttct	cattttcttc	acgaatttgg	aattcttttc	23940
tgctttccac	tatgcagata	acatcagttc	agacaaatat	taaataccta	cctaaattag	24000
aatgccttct	cctcatggga	tttttttaaa	atcttgtcat	ttcatgtctc	tttaattaaa	24060
gagttttgat	ttcagaggag	ggtacctgca	aaagaaaaca	acaaaaaaac	taaaggatct	24120
gagaaataat	tagtgtttac	ttctggggag	gggaggaggt	ctgggatggg	ggtaaaaagg	24180
atagtcttat	ctattatgta	tattcagggt	tttgtttttt	acaagaagca	tgtattaggt	24240
attattttgta	taataaaaata	taatttttaaa	aatacaagaa	atttctcata	taaaaaatatg	24300
aaagtaatca	gactgcaaca	ctcagtgcct	gagacagagc	tacagctatc	aggggtgtcca	24360
gacagacaga	agattacatt	ttcttccttg	ctccttgtac	agccccagac	ctgcatgctt	24420
cattgaaaag	aaaagaagat	acctgaatta	aatcaatgtg	atgcttagta	ccctatcagt	24480
gcacatttct	tttctatttt	taaattttta	aaataacact	tggccaggcg	cagtggctca	24540
cgctataaat	cccagcccta	tgggaggccg	aggcgggtgg	atcacctcag	gtcaggaggt	24600
cgagaccagc	ctggccaaca	tggtgaaacc	cctctgtact	aaaaatagaa	aatatttagc	24660
cgggcatggt	ggtggccacc	tataatccaa	gctactcagc	tgaggcagaa	aaattgcttg	24720
aaaccaggag	gcagaggttg	cagtgaagta	agatcatgtc	actgtattcc	agcctgggtg	24780
acagagttag	attccattta	aaaaaaaaaa	aaaagaaaaa	aaaacactta	tggcgggtatt	24840
ctcagtcatt	acaaataaat	aaaaacaatc	catatgccct	ggagaatttg	attccaggag	24900
taggtctaga	agaacttcaa	ctggagaatg	gatagagaaa	tcatggtata	tttgcagaat	24960
atatattata	tatataatag	atagcatgtg	aataaaattaa	ttacaaaaac	atatgactac	25020
atctattatt	atatagcatg	tagataaatt	acaaaaacat	gtaactacat	ctatgaatct	25080
tagagcataa	tattgagtaa	aaaataaata	aataaaaaatt	aaggccagaa	gataacacat	25140
agcacaatgt	ccttttcata	aataaatata	ttgcttaagc	ataccttata	tatagaagat	25200
aaagcttaaa	aagtaaagaa	gaggccgggc	gtgggtggctc	acgcctgtaa	tcccagcact	25260
ttgggaggcc	aagggtggga	gatcacgagg	tcaggagacc	gagaccagcc	tggcccgcat	25320
ggtgaaacct	cgtctctaca	aaaaatacaa	aaattagctg	ggcatggttg	cacaagcctg	25380
taatcccagc	tactcgggag	tctgaggcag	gagaatcgct	tgaaccaggg	agtcggagggt	25440
ggcggtgagc	caagatcacg	ccactgcact	ctagcctggg	cgacagagtg	agactccgtc	25500
tcaaaaaaaaa	aaaaaaaaaa	agtaaggaag	agactgataa	gcccgatatt	caggacgcca	25560
gttacctctg	gtgcaggcag	acatacatca	ttagtaatgt	gctagtctct	agggtaggtg	25620
gtaggttcac	agatgttcat	tttacttaat	taaatatatt	ttgaaaattt	atttaaagct	25680
ttctgttgta	aaatatatca	cagagaaaac	cacatgaaac	aactataaag	cttaacatta	25740

ctataaggtg	attacttttg	taaccaccac	ccagggttaag	aagaactttg	tcagctcccc	25800
agaaatgctt	cacataccct	agcccaataa	aacctccttt	gcaaatactc	ttcatagcac	25860
tatctgatat	gccctttatt	tttacctttt	ttaaattaaa	acaaaacttt	ttagagacag	25920
ggtcttcctc	tgtcatccat	gctggagtgc	agtggcccaa	ccacagctca	ctgcagcctc	25980
caactcccag	gctcaagtga	gtctcctgcc	tcaatctcct	gagtagctag	gactacaggc	26040
atgtaccacc	cggctctggc	aattttttta	acatttttag	tgatgggggc	ttgctatggt	26100
acacaggctg	gcctcaaacg	cctcgtctca	agcaatcctc	ctgccccagc	ctcccaaagc	26160
actgagatca	caggtgtgag	ccatcactct	cagcctgccc	tttatttttt	catgaaagaa	26220
attgctgaag	aggactaaaa	gaagttttag	taagcattca	ataaatgtat	gttctttata	26280
gtttccaaat	cagcaaatat	agacatcctg	cattttttaag	gagatttata	tattttattg	26340
gacatgctgt	aattttattta	accacttccc	tggtggtaga	cattatttcc	attttcttct	26400
gctagattaa	tgcttgaaaa	aaatgtgtgc	ctcctaaaga	ctgtgatgaa	agttgcctct	26460
gaataaaaact	caaacaaatc	attaatcatt	aactctttcc	ttacttgtat	gctctttgga	26520
tgctctactg	tgttatctat	aaaataaagt	ttgaagtga	aaattagggg	aaaacatttt	26580
atatcatttt	taaaggatat	atacatggat	gtacttacat	atgcatgttt	aaatttatat	26640
accataacat	ttattctttt	tttaaaaaag	tcttatgaat	tttaacaaat	gcatagtcct	26700
ataactacca	ccaccacagt	gaacatccag	gacagttcca	tcccttgcca	aacaaacaaa	26760
caaacaaaaa	gcttcaccca	agtcttaagt	ccaggcactt	actgatctat	tttctgtcct	26820
tatagtaatg	acttttccag	aatgtcatat	aaatgggatc	attcattaga	tatccttttg	26880
tatctggctt	ctttcactta	acataaagca	tttgaaattc	attcatattg	ttgtgtgaat	26940
caataattta	tacctgtttg	ctgttgagta	tattctagt	tatgtatact	atattttgtt	27000
tataaattcc	ccaattgggg	cacatttg	tatttcccat	tttgggtgat	tacaaataaa	27060
gttattataa	atatttgc	ataggtttt	ttgggcaaac	ctaggttttc	atttcacttg	27120
gataaatacc	tagaagtggg	attgctagg	cacatggtaa	gtgtatgggt	tattgtgaga	27180
aactgccaaa	cctttccata	gtggctgtac	cattttttca	ttcccaccag	caagtatatg	27240
agagttctaa	ttgttccctc	tccttcccag	cactgggtatt	cttttctatt	tttctttttt	27300
ttttgagaca	gagtttcgct	ctgtcacc	ggctaaagt	caatgccgtg	atcttggctt	27360
actgcaacct	ccgcctcccg	ggttcaggct	attctcctgc	ctcagcctcc	caagtagctg	27420
ggattacagg	caccacccac	catgcccttc	ttttgttttg	tattttta	agagacgggg	27480
ttttgccata	ttgaccaggc	tggtcttgaa	ctcctgacct	caggtgatcc	accaccttg	27540
gcctcccaaa	atgctgggat	tacaggcatg	agccaccacg	cctgctctt	ttcttaagtc	27600
attctaatag	gtgtgtagaa	gtggttctaa	cttgcat	cctaatagact	aatgatatta	27660
agtatacata	tatttatata	ttattttata	atcttatata	taatatacat	attttatata	27720
ttatatatat	attttatata	tatatata	cacacacaca	tatttttttc	tttttttgag	27780
acagggatc	actctgttgc	ccagattgga	atacagtgtg	ataatcatag	ctcactgcag	27840
cctcgatctc	tcaggctcaa	gcgattctcc	cacctcagac	tctgtagtaa	ctgggactac	27900
aggccatgcc	accatgctg	gctaattttt	ttttttta	tttgtagaca	tggggctctcc	27960
ttgtgtttcc	caggccagtc	tcaaaactct	ggactcaagc	catcttctcg	cctcagcctc	28020
ccaaaatgct	gggattacag	gcataagcca	ctgcaactgg	ccttagttaa	gtttttatgt	28080
acttattgta	tatcttcatt	ggtgacattc	aaatcatttc	atcctttgta	attgtatact	28140
aaggaattaa	acgattgttt	aattattgtt	tattttctta	ttgtaagggt	ttaaaaatcc	28200
tctatttttt	tgagacggag	tctccatcag	tgcgccaggc	tggagtccac	tgctgtgggt	28260
cactacagcc	tctgcctccc	aagttaaagc	gattctccag	cctcagcctc	ttgactgggt	28320
ggaattacag	gcattgta	ccatgcttgg	cttatgtttg	tattttcagt	agagtcgggg	28380
tttccactatg	ttggccaggc	tgtctcaagc	ttctgacctc	aagtggccca	cccaccttgg	28440
cctcccaaa	tgctgggatt	acaggtgtga	gccactgcca	cgaccttaag	agttctttat	28500
tctagataca	agttctttat	cagatattga	ttttcaata	ttcttttgaa	gtctgtagct	28560
tgtcttttca	ttctcttaac	tgtgtctttt	gcagagcaaa	gatttttaatt	ttgatgaagt	28620
ttgattttatc	aatgtttttc	tttatggatc	atgtttttgg	tatcatatcc	aaaaactctt	28680
tacataaacc	aagatgtaaa	agattgtctt	ctatattttc	ttctacacat	tttgtagttg	28740
tatattctat	atgtaagggt	tataatccat	tttaattttt	atataagggt	tgatgtatag	28800
gttaagctca	ttttagtttt	acatgtagat	gttcagttgt	tccagcccca	tttgttaaaa	28860

aacacccatc	ctttcccat	tcaatagcct	ttgaatcttc	atcaaaatca	attagtcata	28920
tttatgtggg	tctatcttg	gactttttgt	tccattaact	tatgtgtata	tccttttgca	28980
aatatcacac	ttatatttgt	tttttttctt	acatttttat	ttcaaaatct	aaggacatct	29040
tataacccag	aaatatTTTT	tataccttgt	catgtcttag	aggaaagagc	caccccgagc	29100
ttttttcatt	gatgtttttc	ttctctcttc	gtactccaga	ggtagatgaa	aaccagaggg	29160
ccacaatgac	catggtgatg	cctgaggtca	ttctggggca	cagacctcag	cctaggttac	29220
tccacttcgc	ctatcttttag	atccaaaact	accctgctga	ctgctgagat	aaacaaagga	29280
gaataatcag	gttggggaaa	ggatttctat	gcgaagacat	gtctccatgc	agtcctccta	29340
cactgagcag	agcatgagtc	aggtgcttag	agcaggattt	tgtcctaacc	caggaaacttc	29400
agagttttct	gaagaatgtg	gctatgtaaa	gcaccccccc	acccacacct	tacttctcaa	29460
gtacattacg	tggcaagtct	gaaaaaactt	acacttctgt	tgttaaattgt	gggggataaa	29520
atataaaactt	agtttcaaga	ggaagctatc	ttgggaggta	atgcaaataa	ttcgttgtgt	29580
gtttcctgaa	taagtgcacg	gtgctgacta	ccattgatgc	ttcattgcaa	taaaatgcaa	29640
agctccccc	agaatttttg	aaatgcatca	agctaggtgt	tctaattctag	caaaaggacc	29700
tgcatacatg	aatttttcat	gcttttgcca	agtcttttgc	ccttttagttt	agttaagggc	29760
cccacatgaa	tggaaagcct	gtgttgctcag	cttaattttg	tagttgtgga	aaccttccag	29820
ttttctcctt	tgtctaatac	cttcaggagt	tcaatcctag	gttgaagcct	aatttaataa	29880
ccatgtggca	tgtaaagtag	aaaacaaaac	atcttttcct	tagcatacag	caaaaaaaaa	29940
aaaaaaactc	actcatggat	gtagtgtaca	catgccagtg	gatatatagt	cataactgca	30000
gtcattggta	gcacagaaat	aaatgtgcat	tgaagacaca	gagatgaatt	tgaattccgg	30060
ttccatgagc	taccattctt	tgaccttggg	caagttgcat	cacttctttg	agcctcagtt	30120
tccccatctg	taaaatgtgg	atagcaacat	ctacctcgca	gagttgctgg	gaggatcaga	30180
tgaatgatg	ggctagccca	gtgtctgact	tactgtgttt	aagaaatata	aactattacg	30240
ctacttccca	gtgacagtcc	aaatgcagac	cagtgttata	actctacttc	tcaaacatta	30300
atgtgcatgc	aaatcacctg	gaccttctta	aaatgcagat	cctgattccc	taggtctggg	30360
gaaggcttga	aattctacat	ttctacctag	cttccagggt	aagttgagga	caacactttg	30420
aaggcaaggt	ggtaaaagac	gcttgcacgt	gcaaatgtta	ctttgtgtaa	ctaattggttc	30480
gcaatactgt	ctgcacttta	gaagctccca	ggaaaagaaa	atcttttaatg	atgctgacct	30540
catctccaaa	ataatgtaat	tttaacagat	ccaaagtagt	gcctgggcat	tagtgtgttt	30600
taaaagcctc	ccaggtgatt	ccaatgttag	ccaagattga	ggccctctgc	ttagtgaatc	30660
taatttgcag	ctgggcttga	gaaaaaacct	cttcatagaa	ttgtttgcat	cagtgtcttg	30720
attgcctctg	taacttacaa	taagcaagaa	tgtttcagga	tttcaaaaat	ctattgcatt	30780
gcctaaacct	cttattttgt	atggagtaat	caagctcaaa	gtttgcatgt	cttagaaact	30840
ttacttgggg	caaaattaga	ccaagtaaca	attaatcttc	taggtattct	gagctattca	30900
gacatatgat	tcatgtttgc	taattgctct	tttctcttgt	aaatattagc	tgaaaaatgt	30960
cacctgtctg	acaagtagca	tatttttatgc	ctatcactcc	tggcacgcat	tcttacaagg	31020
cagacaggaa	aaataggaag	aaaatggact	tttatcaaa	gccagggcag	taaagagggg	31080
agttctgctg	taagctaagg	ggagttccag	aggaagttat	aggcgttccc	tttcttatga	31140
caagaaaagca	tagtgcgagta	aataaaatttg	ctaaatagat	tcaacagtct	ctacccaaa	31200
tcatctatatt	aattcttggt	gttatgcaga	ctcagcaact	aaccttcctt	gtaagcccca	31260
ttttcttccc	tgtttcttgt	ttatcaaatg	taattaaaca	agagaagtat	tatagaagag	31320
taaaagtagt	aggtaattct	tgaacttggc	atatgattac	tacatatattg	atgaatagtt	31380
gaatattatt	cttcaaggac	agattggatt	tggtatcagg	tggctctgca	ttaagttata	31440
agggacttaa	taactcaagt	atttaaggac	ggcttccatc	ataaagggat	ctgcccttaa	31500
gagggctcca	ttatggagat	tctgaggtga	gagctattcc	aagtgtgcag	tggattaaaa	31560
taaaagaatc	atacaggaaa	tctcttttta	catgcottat	tccaggtctt	ttgcaacctg	31620
gcacagcaag	tgcagatatg	attagcattg	ttttacacat	gtacactcac	cttatagccc	31680
tgcacctgtg	ccctcctgc	acaaaagaat	gctgggcaca	cgtgaactcc	tctctgtaga	31740
aaggcacatt	aatgtttctag	ccatggttaa	aacagggata	gaggcaagcc	aaaaatgtcg	31800
gtcatttgaa	ataaatctca	agtttjtgca	tatcactatc	aagtgtgctg	tgtggcaatt	31860
aagaatgcc	atgtgtgtga	tcacaggcaa	gttgagttt	gatgaaagga	aagcagaggt	31920
gaatatataa	ccagggtcat	cctttctttc	tccctctctc	tctttctgtc	atttatttgc	31980

caagctctta	actagaactt	gctatgtgct	aggtactgga	tatatcaaag	caaactcagc	32040
ctggctctttg	ccttcaaaga	tttgcaggat	agtgggaaga	aaaacttgaa	tcagaggaca	32100
tctgcagtgg	gaatcattca	agcagcagaa	aacccaaaag	ttacttatac	tgtgaaatct	32160
gatcagagaa	tggactgtcc	tggttagtaa	aatatcctgg	aggataaaga	ttggccatgc	32220
attccacata	tgaattacca	ctttcccaag	aattaaaaca	tggtagaгаа	gaaaggaacg	32280
aacatttgct	gagtgcctac	tgccctgccag	atctaggcac	ttcacatgta	acacctcgtc	32340
cagcctccac	cacaatactg	agaggtagag	ttcaacctca	ttttatagat	aaagaggctg	32400
aagctcataa	agattaaagg	acggactcac	agtcaaaagg	ctcctaatac	tgagtcagca	32460
tttgaaccca	ggctcacctg	tcactatata	ctatgctctt	ccgtatcaca	ttttatactg	32520
aaacaacttc	tggaatagct	aatgcttaga	agcagctccc	aaatatttgt	tgaatgaatg	32580
atttgattga	atgaatgaat	aaatgaatga	agcaagctct	actgaacata	atttgatcta	32640
atcttctgtg	attattcaga	aactacttca	agattttcct	atacctccat	cataatgaat	32700
accattcat	taatgatgga	agcagcctaa	ttttgtcatt	tttcacactt	tattgatgta	32760
acactacctt	tactagtttg	gccactcctt	atgctttttt	tatagaacta	tttagatcaa	32820
ttcaactttt	aaaaaataaa	gccacataac	cctgtggtag	atgaaaaaca	agtatcattt	32880
gcactggtaa	atagagaata	ggaagaaaaa	taaatgcagt	gaaaataaag	cagtgttatc	32940
aaatcctacc	cagatactgt	tatctacccg	gaagcttccct	gtttgattaa	aaggaaaaat	33000
agccagtgtt	agaggtgtgg	aagtctagtt	gaaattatat	gcaattgaag	gattaaaaata	33060
gaattgaaaa	gggaataaat	tcctctctga	ataatttaac	tccttttagg	ctttgattct	33120
gcctcatcta	aaatcatctt	acatacttct	agtggcgtgt	ccctcacatt	ttggtaaact	33180
ctgagtggaa	actacggatt	ttgtagtcaa	acatctgaat	ggctctggat	tttaacttta	33240
ctaacatatg	tcctgaagtg	aactgcttgg	agccagtttc	ctcaactata	taaccataat	33300
gacaaaacag	gtttcaecgt	catgttttca	gtattaaaca	atatagttaa	aagtacctag	33360
cacagtgcct	ggcatagaac	atactagata	tacattaagt	atcagttcca	tttttccctt	33420
ccctttattg	tcagaaaata	gaaagcatct	acagtgggct	tgtatgatgt	ggtgggttaga	33480
aatacctgat	ctgattctgg	ctgtgcaatc	ttgggcaagt	tacttaacct	ttttgtgcct	33540
catttttgtt	ttctgaaaaa	aaggatagaa	tattattacc	taccttgctg	gcttctggga	33600
agaagctcag	tgagacgatg	tgttagcaga	gtgtctgaca	attgtaagaa	ttcaacaagt	33660
aatagttatt	attaccatca	ctgggtgagag	gaagtgtata	ctggcacaaa	aatatatgga	33720
ttaatcaata	tggattgagg	gaaacaaaac	tggagaatat	gatgtgaagg	tatttaagta	33780
acatgagctc	agaccttgat	ggtagggaag	tcgaaaggaa	gcatttttgt	cttatatgac	33840
agatgacctg	gaatgactgc	agggcttggg	gggtcaggga	ctggagggtg	gagaggcctc	33900
tgagagcaag	cagtgtctgc	caccagaagc	tccttgctgg	gtgccagag	aggagcaaa	33960
ggcagtcagc	tgcacaggag	ggaatgtttg	gaggagagag	ccacctcaga	tcagcgggtc	34020
aagaatccca	ctcttgccca	gatggatggg	gcaaaggaga	aaaaggattc	gccacgggaa	34080
tgtccagata	agacaggtgc	cttttggaag	atgggggtga	gatgggtctc	aggttacact	34140
togtaagaac	tggaaatgta	agtaaaaggca	gacaatgaca	aaatatcttg	ttttcttttc	34200
agctttattc	acagtgcacg	tccttaaggga	actgtacata	atagagcatg	gcagcaatgt	34260
gaccttgga	tgcaactttg	acactggaag	tcattgtgaac	cttggaagca	taacagccag	34320
tttgcaaaaag	gtggaaaatg	atacatcccc	acacccgtga	agagccactt	tgtcggagga	34380
gcagctgccc	ctagggaagg	cctcgtttcca	catacctcaa	gtccaaagtga	gggaaggaag	34440
acagtaccaa	tgcataaatca	tcctatgggt	cgcctgggac	tacaagtacc	tgactctgaa	34500
agtcaaaagg	gagtgggtgt	aaggactaga	atccatggaa	gcattctctc	aacagaggat	34560
ctgcaagtca	cagaaaacca	ttaaaggtag	ctcaagcaaa	aacaaagcag	ctgcttttaa	34620
ggagacagct	atttcagaga	aaatgaaagc	atctgctcgg	aaataatttt	tgacatctga	34680
gtacaaaagca	gcgaagtac	aagtgaaggg	gggtaggacc	tataggaata	aaatgggaat	34740
ggagggaagcc	aggaaaatta	gtccctgaaa	tgtgggaggg	tatgaaaaat	aagctttgoc	34800
taattccaaa	ttctcccatg	gaacatccct	gacttgatta	ttaaagatact	ctttttccat	34860
agttttatacc	ctgaatccag	agttttttaa	accatgggtt	gcgcgccatt	catggattaa	34920
aatatcaatt	tagtgagttag	caaccagatg	caagttttccc	gcctttttaa	aaataatgta	34980
tagaagagaa	tagacagagt	agatcagacg	acatcacaga	gtaggaactga	gtactgtaaa	35040
actaattttct	gagggaecgtg	tgtgtgtgtg	tgcgtgtttg	gtcatggtat	aaattttttt	35100

tttcttactt	tggatcataa	aaagttacaa	gtttggaaaa	cactgctcaa	atgcaagccc	35160
tattttattgc	agatgaagta	gctgagatcc	agagaaggga	agtgggtagc	ccaagagagt	35220
cccatgaagt	ctatagctgt	ccctattcct	ctggattcag	ggatctctcc	actccagcac	35280
aattgaaaat	ctaaatataa	agagaatctt	cacactcttg	ttgtttctag	aaaaggtgat	35340
ttgaggaaaag	acataataca	actataaaaa	atagattttg	cttgttcatt	ggcttatggg	35400
ctccaggctt	gaatgctctg	agataaatga	tgccaatatt	tctctggcct	cttccccctcc	35460
cacgcattgg	acctcagatg	gtctgtactg	tcttctagag	ggtttgtggg	ttttggcccc	35520
aaaaaaccat	taaccttggc	agaaagtgtg	tgactttatg	atctggtaca	agaagggaca	35580
aactagaggg	actggacatg	aggatgaata	ttgtgttcgc	ccttatcctt	gggcagggtta	35640
ttttgccttt	cataacctca	cattttgctt	atttgtagaa	gacgaacaat	agtagtacca	35700
aacacacagg	attgtttgtca	acattgagag	agataatgaa	cataaagaac	tgagcatggg	35760
acccggcata	taataagtgt	ccagagactt	ggttaaaaag	ccctcagttg	ttacaggggg	35820
agtgaacctcc	tcacacctca	accatcaatg	agtcaccagg	aaagccatta	gcctagatgt	35880
aactgttttc	tatcttttatt	gcattttccta	catccaggca	gcagctggga	ggaactctag	35940
aacactgaag	tttgtctgag	ttcccttaat	gtaaggctgt	acattctcag	gatgccttga	36000
tgtactcgaa	tatctgcaac	cctaaatcac	cacctctggt	tttattgata	tctatctgaa	36060
tjctgtatta	atggggccagg	ccttctgccc	attctctcaa	actgagaact	gtctctcatt	36120
cctggggagg	cacctgcct	actccttacc	tagatcaggg	atttctcagt	tgtggagaga	36180
tttgttcctt	atagtgttgg	tcataaaact	gggatatttg	gggattacaa	agacttttca	36240
agggatgtat	gggcacaggc	agtttttagga	agtgaagttcc	tagatcctca	tcttccccaa	36300
atactcgttc	ccaaaattga	cgagcctgac	aatgtgcatg	ccaggcaagg	ctcttggggg	36360
tccccataaaa	cacttctctt	tttaagccta	ccactcactc	atcatgaata	tagtccattg	36420
tcccagggtg	taaaaccttc	tatagtgtta	aataaaagaa	tgattgggaa	cattgacacc	36480
tgatggaaact	gttatgacta	aaaacctttt	tgcaaataat	gtggatatcta	attttctgct	36540
ttcaacaaaa	ttgaaggagg	cccttataaa	gttaataaact	gataatcaaa	aatgagtaat	36600
ttttgccatg	taaatcagggt	caaagaatga	aatggcattg	ctgtaacgaa	actgcttcca	36660
ttcccattga	tttactcata	cgaacaagat	tccttagcct	ttataagcta	caaaaaaatg	36720
aaaaatagaa	atagaattga	ggctgaattc	tattatataa	aatcattcca	accatgtcat	36780
atggttcttc	ggattcatga	ataatttgga	aaagagagcc	atatccatct	tattaaggga	36840
cacattccca	ataaattttc	atctttcatg	tttaataatt	atcaatatcc	ataacatttt	36900
acattttgat	caaatatgtg	ttaataataa	tagaaataaa	tgtccaacaa	cgatagactg	36960
gattaagaaa	atgtggcaag	tatacaccat	agaatactat	gcagccataa	aaaatgatga	37020
gttcatgtcc	ttcgtaggga	catggatgaa	gctggaaaac	atcattctca	gcaaaactatc	37080
ccaaggacaa	aaaaccaaac	accgcctggt	ctcactcata	ggtgggaatt	gaacaatgag	37140
aacacatgga	cacaggggagg	ggaacatcac	acactggggg	ctgttgtgtg	gtcggggggag	37200
gggagaggga	tagcatttagg	agatatacct	aatgtttta	gacaagttaa	tgggtgcagc	37260
acaccaatat	ggcacatgta	tacatatgta	acaaacctgc	acgttgtgca	catgtacctt	37320
aaaaacttact	gttaaaaaaa	aaaatttagat	cttaattgcag	aaacacctga	acattttaag	37380
cttcatagtc	acaagagaaa	agtttctcatt	tcaatatgcta	taaatatttt	gttgtttgtaa	37440
agacatataa	cgataatcaa	tacaaaatct	gtcaaaacaaa	aatatgttac	attaagataa	37500
aattctgtag	ggaaggtgaa	attggaagtg	agtttcaatg	aatgaaaaga	aacaattttag	37560
acagagaaga	attttttcat	tttaataatt	attttatttt	acttagaagg	aattgaaatag	37620
attaggttcc	ttacccaaaa	agcctctggt	atttctctta	tttatttatt	cttttttttc	37680
cacattctcc	agtctcattc	cccttttttta	acacaggaaa	ttattccagc	atgtttcata	37740
cataattctt	tgtttgttaag	agcttatttta	aaatatgtaa	tattgttttta	gatgcataata	37800
ttttttttct	tgtggaaaac	atattgtact	atatatatat	attttagaaa	tggacacatt	37860
aggcgggggg	cgggtggctca	cgacggtaat	ccagcacttc	tgggagggca	aggcgggttg	37920
atcatgaggt	caggagatcg	agacatctct	ggctaacatg	gtgaaaacct	gtctctacta	37980
aaaaatacaa	caaaaattag	ccggggcggg	tggggggggc	ctgtagtccc	agctaactggg	38040
gaggotgag	caggagaatg	gggttaagcc	gggaggggga	gottgtagtg	agccgagatc	38100
gtctcactgc	actccagcct	gggcgacaga	gggagactct	gtctcaaaaa	aagaaaaaaa	38160
aaaaaaagaa	attgacacat	taagttttatt	gtgaaaaaat	gattacaagc	aataacagat	38220

ataacagcag	aaaaaattgt	gaagttatgt	gcaccttctt	ttgagatcat	ttttttgggt	38280
atatgtgaat	gtatttttatc	tttttttaaat	tgacaataat	tgtacttatt	tatgggatac	38340
atagtgtatg	ttcaatatat	acaatgtata	gtgatcagat	cggggtaatt	agcatattta	38400
tcatctcaaa	tattttattat	ttctttgtgt	tgagaacatt	caatgtaccc	cttctggcta	38460
tttgaagcta	tatactgttg	ttaaatatatt	atatgtattt	ttcaaggata	atgttgtata	38520
taaaagataa	cttctttttat	athtagtcac	ctttggatac	atatgtaaga	gtaaaataat	38580
tgttttacta	aaaaaattca	taagatgctg	aacattatat	gtttttccag	tatagaaact	38640
tatgaaaaat	tataagaatc	aacttaatag	gtgagaagag	catactgcat	catacttatt	38700
ttaggaggaa	tacaagcaaa	aaaaaagttg	gaccatcacc	taagagtagg	ctaccctgat	38760
ccagggctct	taaaagaagc	aagatagatc	tgaggcccca	atgagggttc	ccatgaatga	38820
agtaggacta	gaagaaggac	atgtttttat	cttaaagtgc	ctgatccatg	gcataaagct	38880
tgaaaatggg	tttgtttata	gcaccttcgt	tgatgtctgg	gcagaaattc	ttatcaaata	38940
taatgaaaag	agttaatttc	aaaaggacag	aacaaattat	gagggtggaat	gaccggagat	39000
tctggaagag	acagtgataa	aggactgtgg	tttctgaaaa	gccaggtggc	acctacattt	39060
ctggggggcaa	tccatctgag	gaagggggcgg	gagcatggcc	aaagaacaga	gaggccccag	39120
gagcccaggg	gtctctcaga	ggagctgggg	ttgagaactg	gtctgtgcaa	aggtttccag	39180
acagggttgc	agaggaggca	ctaaaaacaa	gaacaccaag	agccaaacca	tcctgaaggc	39240
ctgggcaggg	cagggggatg	ggaagagcca	acaccaggaa	tgggctgaag	ctgacagaag	39300
tacttcaaac	cagaaacaat	gaattttaaac	tatgccctac	cacaaataga	cttaacagat	39360
atttacagaa	cattctaccc	aacaatcgca	gaatatacat	tctattcatc	agcatatgga	39420
acattctcca	agatagacta	tatagtaggc	cacaaaacaa	gtctccataa	atttaagaaa	39480
atcaaaaatta	tatcaagtac	tctcttagat	cacagtggag	taaaactgga	aataaaactcc	39540
aaaaggaacc	ttcaaaaacca	tgcaattaca	tggaagttaa	ataatgagtg	atcattgggt	39600
gaacaatgaa	atcaagatag	aaattttaaaa	actctttgaa	ctgaacgata	atagtgcac	39660
aacctatcaa	aactctggga	tacagcaaaa	gcagtgtctaa	gagaaacatt	catagcatta	39720
aatgcctaca	tcaaaaagtc	tgaaagagca	caaataggca	atctaaggtc	acacctcctg	39780
gagctggaga	aacaagaaca	atccaaaccc	aaaccagca	gaagaaaaga	aattacaaag	39840
atcagggcag	aactaaatga	aattgaaaca	aaaaaaatac	aaaagagaaa	tgaacaaaaa	39900
atctggttat	ttgaaaagat	aaataaaaatt	gataaccaag	aaaagaagag	agaagatcca	39960
aataatctca	attagaaatg	aaatggagat	attactactc	atatcacaga	aatacaaaaag	40020
attattccaag	gccactatga	acacctttac	acgtacaaac	tagaaaagct	agaggagatg	40080
gatacattcc	tggaaatata	caacctttcg	attaaaccag	aaagatatag	gaactataaa	40140
cagatcaata	acaagcagca	agattgaatg	gtaactttta	aaattgtcaa	caaaaaaaaaa	40200
tccaggacca	gacagattca	tagctgaatt	ctatcagaca	ttcaaagaag	aatttggtacc	40260
aattctattg	acactattcc	atgggataga	gaaagaggga	atcctcccta	aatcattcta	40320
tgaagccagt	agcaccttaa	tacaaaaaac	aggaaggac	ataacaaaaa	aagaaaacta	40380
caggccagta	tccttgatga	acatagatgt	aaaaatcctc	aacaaaatac	tagctaacca	40440
aatccaacag	catatcaaaa	agataatcca	ccatgatcaa	gtgggtttta	caccagggat	40500
gcagggatgg	tttaacatcc	acaagttaat	aatgtgata	caccacacaa	acagaattaa	40560
aaacaaaaat	cacatgatca	tctcaataga	ttcagaaaaa	gcatttgaca	aaatctaaca	40620
tccttttatga	ttaaaaacct	cagcaaaaatt	agcacagaag	gaacatatct	taaggttaata	40680
aaagctaact	acgacaaaacc	cacagccaac	attatgctga	atggggaaaa	gttgaaagca	40740
ttttccctga	gaattggaac	aagacaagac	acttttcacaa	ctttttattca	gcatagtact	40800
ggaagtccctg	gpcagagcac	tcaaagagaa	agaaataaaag	ggcatccaaa	ttggtaaaga	40860
ggaagtcaaaa	ctgttgctgt	ttgtgtatga	tatgatcata	tacctagaaa	accttaaggga	40920
ttcatcttga	aagctcctag	aactggtaaa	caaattcagc	aaagtttcag	gatacaaaaat	40980
taatgtacac	aaatcagtag	ctctgtotata	caccaacatc	aaccaatagc	tgcaaaaata	41040
aaataaaaata	cttagjaata	tacctaaaga	aggacatgaa	agacctctac	aaggaaaaact	41100
acaaatcaact	actgaaagaa	atcacagatg	acacaaaacaa	atggaaacac	atcccatggt	41160
catgaatagg	tacaatcaat	attgtgaaaa	tgaccatact	ttgtagattg	caaaagcaat	41220
ctacaaagtc	aatgcaatcc	ccatcaaaaat	actaccatca	ttcttcacaa	aagtagaaaa	41280
agaaatccta	aaattcatat	ggaacccaaaa	aagagcccac	atagccaaaag	caagggaagac	41340

taagcaaaaa	gaacaaacct	ggaggcatca	cattgcctaa	cttcaaacca	tactataaca	41400
ccatagtcac	caaaacagca	taatactagt	ataaaaatag	gcacatagac	caatggaaca	41460
aaacggagaa	cctaggaata	aagccaaata	cttatagcca	actgatcttt	gacaaagcaa	41520
acaaaaacat	aaagtgggga	aagtacatcc	tattcaacaa	acgggtgctgg	gataattggc	41580
tagccacatg	gagaagaata	aactggatcc	tcatatctta	ccttataaaa	aatcaactca	41640
agatggatca	aagacttaaa	tctaagacct	gaaaccataa	cgattctaga	agataacatc	41700
gaaaaagccc	ttctagacat	tagcttaggc	aaagacttcg	tgaccaagaa	cccaaaagca	41760
aatgcaacaa	agacaaaggt	aaatagataa	atagggactt	aattaaacta	aaaagcttct	41820
gcacagcaaa	agaaataatc	agcagagtta	acagacaacc	cacagagtgg	gagaaaatct	41880
tcacaatcta	tacatctgac	aaaggactaa	tatccagaat	ctacaaggta	tgcaataaaa	41940
tcagcaagaa	aaaaacaaac	gatcccatca	aaaaatgggc	taaggacatg	aatagacaat	42000
tctcacaagg	agatacacia	atgaccaacg	agcatatgga	aaaatgctca	acatcactaa	42060
ttctcagggg	aatgcaaate	aaaaccacac	tgcgatacca	ccttactcct	gcaagaatgg	42120
ccataacaaa	aaaataatag	atgttggcat	ggatgtgggtg	aaaagaaaca	ctcttacact	42180
gttgggtggg	atgtaaaacta	gtacaaccac	tatggaaaac	agtgtggaga	ttcctttaaa	42240
aactaaaagt	agatctacca	tttgatccag	caatcccact	actaggtatt	tacccaaagg	42300
aaaagaagtc	attatacaaa	aaaaagatac	ttgcacacgc	atthtttatag	cagcacaatt	42360
tgcaattgca	aatatatgga	accagcccaa	atgcccata	atcagtgagt	ggataaagaa	42420
aatgtggtat	atatattata	catacatata	tatatgcata	ttatatatat	acaccatgga	42480
atactactta	gctatgaaaa	ggaatgaaat	catagcattt	gcagcatcct	ggatggaatt	42540
agagactatt	attctaagtg	aagtaactca	ggaatgtaaa	accaaacatt	gtatgctctc	42600
actcataagt	gcgagctaag	ctatgaggat	ggaaaggcat	aagaatgata	caatggactt	42660
tcaggactta	ggggaaagga	tggttggggg	tgagagataa	aaaactccac	atttggggcca	42720
ggcgtggttg	ctcacacctg	taatcccagc	actttgggag	gccgaggtgg	gcagatcacg	42780
aggtcaggag	atcaagatca	tcttggttaa	cacggtgaaa	ccccgtctct	actaaaaata	42840
caaaaaatta	gccgggctg	gtggcaggca	cctgcagtcg	cagctaactcg	ggaggctgag	42900
gcaggagaat	ggcagggaacc	tgggaggcgg	atthttgcaat	gagcagaggt	cgcaccactg	42960
cactccagcc	tgggcgacag	agcgagactc	cgtctcaaaa	aaaaaaaaaa	aaaaaaaaatg	43020
gccttcaccc	taagaaggaa	gaaaccaagg	gcagaggaag	gaaacaatca	aagagaagca	43080
aggcagcagt	gaaaagacaa	ctgtacgttt	aagcctctaa	ggcccaagga	aagcattttgc	43140
taaaagagcc	aagtctcagt	gtcttttttt	cccttggggg	aacagaaggg	tgtaaagaaa	43200
tcggagtcaa	gaaaatgtcc	tgagctccgc	ctgcagtagc	gggaagccta	ggagtataat	43260
aacacgtttt	ttaaaaataa	agaaagaaat	tatttttaaa	aagaaaacaa	tgtcctgaat	43320
ttcaatgggg	tgggggggag	gggaagctcc	tggggattac	aaactcgtta	acctgctatt	43380
ccttttcagg	caattttaaca	gatgaattga	aagcagtcct	aaaagattta	actgattact	43440
agaaacttgc	atagatcctc	taagaaccaag	gcattgtaaa	ctacattttt	ccattttattt	43500
actgtcatta	tgactataaa	acagatacta	ccatgtatac	atthcatctt	tatttcagaa	43560
attacagcat	tgcttgtaac	atatctgtca	gacagccaga	acaaaccagg	gaaacagaaa	43620
ccattttaaac	ctgtggaaat	ctaaagctga	aactagtaat	tcttttaatg	agggagactg	43680
agaagccaaa	cagagaacag	ggaagcaatt	cagaaattag	caatagcaga	aagctgctcc	43740
taccactagg	ctatagtga	aagggggaag	gcagggttaa	tggagccag	ggattaaagt	43800
caottgacag	acaotggaac	ccagtgggcc	tgtccattgg	tatctggagc	cagggaagag	43860
atacatcttc	tgtctggagag	gccacaaaag	tatagagcat	aggggagaaa	taccttccct	43920
tctccctcca	gtccaccctc	tagtgctcct	gtcttgcttc	ctattggctg	tcacgttccct	43980
aggctataca	ggccacagga	gtctgccttc	ctgcaacaca	gagcagagaa	gaaaaagtga	44040
gagatggatc	tgaaggcaaa	cagaccagag	acacacaaag	cacacacacc	ttgtgtattg	44100
ggtggtaaaa	ggtgggataa	taatacagtt	gactagatct	ataacagact	gaaaagctag	44160
tagttgttga	gtcagggaca	acgaaggctg	gctgatggcc	tcagtcaact	tggagacaat	44220
ctccaagtgc	taagggggtct	gttatccag	ttgtaaggat	atagccaacc	taactgagca	44280
gcagatcata	tatttagcaa	aactgatctt	atgaccttag	gttacattaa	aacctggat	44340
atthgtgctg	cttagataat	atctagaata	tagattgtgt	tacatatcct	ttttaaagaa	44400
cgtggcaaaa	ctaaactata	accaaagact	actatctgga	aatgggtctg	aagactgtat	44460

cttgtgagat	atagttaaag	gaggtaggca	tgttttactt	agggttgaaa	agactagatg	44520
gagtccttccc	agttatatct	aaatatcaga	agggttacct	gcaataattg	ctaactactaa	44580
ttgagtggtt	actacgttct	agacatctaa	ctaattatct	aacacccttg	ttaaggataa	44640
gtattgctgt	atccatttcc	taaacaagaa	aactgagggg	ttaagagggtc	atataactag	44700
cccttggcta	aagcctactc	aaactgctca	gattctgaac	tcatgttttt	aactacgggtg	44760
cttaccatat	gttgtgttac	taaactagac	aaataccaat	gggtagaagc	tacaaagagg	44820
cacaattttg	cttggcatga	agaaaatctt	tccaatggaa	gtttaacttg	cttattgtat	44880
aatcatggca	aagactgctt	ctagaggaag	taggagtttc	cattcataga	tgttttcagg	44940
caaaagttat	ttagcagttt	actaatatca	gaagaaaaat	attactaaag	ataacaaggg	45000
acacttcata	atgataaaag	agtgaattct	aaaggaaacac	ataacaatcc	taaatgtgtg	45060
tccatttaac	agtatagctt	caaaatatta	aacaacaatt	ggcagactta	ggagaaccag	45120
tcaaateccac	aattacattt	gagatttcaa	ctcatctcta	ttacaactga	tagaacaaac	45180
aattaagaaa	atagaaaatc	tgaacaacac	aattagccat	cttgacctaa	tagacatatg	45240
atatatagaa	catacaccca	gcaactacag	aacacacatt	gttttcaagc	gtatgtggaa	45300
caatcatcaa	agcaattatc	taggagaatt	gctgtagaag	gtgtttttca	ttgagcaata	45360
agtcagatga	cttgaatttt	tggagtactt	ccgcctctta	aattctaaaa	tttactcatc	45420
ttttcctaag	aatatcacc	tcagtcacgc	ttccccactg	tgggaagcga	ttccttttcc	45480
accaccttcc	aaataagaaa	gaggctgtgg	agacatttct	gatactgcaa	aaatgtagga	45540
tgtgggctcc	tgtcccttcc	ccaaaccttg	ctgattcttg	tagtggaaga	gctctctctc	45600
tgtctcccta	tctgtccct	catgtatccc	aagtcaaagc	ctcagccaag	ctcccaattc	45660
ctggcatccc	tacttctgaa	atcaettctc	aaccaggaca	ccaagatcag	tttcttggtc	45720
caagccacct	gcaatagtgg	gctggacct	caccacagct	actctgctcc	tgttcttggt	45780
ctacttcatt	ccccaaaaga	cttgagagct	tacagaaata	atctacagta	tgatcatata	45840
aaatgattac	aaaagacatt	gaaccaaggg	aaaataagtg	tagataaata	atacaaaatg	45900
agagataaag	tgagtactcg	aaatacacac	ttcgggtact	gtttgattat	gaaagatagg	45960
ccaaagtttt	ggcttcaagg	agattgggtga	gtctaacagg	tcaagtcctt	cagtaggctg	46020
cttcagtgtc	tgaattgcct	tatcttctac	tactgctggg	tgctcctaag	aacctcagag	46080
catattcctc	tatctgctta	tgttgcacca	tccttagaca	tctgcaatta	cacagagaca	46140
catcctctta	tgggtgattcc	aattaagaat	gcattacaaa	atagtaatat	gaattttacc	46200
cacctcatag	ggtctgcata	tcattttaa	gacataatgt	attatatgta	ttatgtatat	46260
ttatacatta	gggggaaaga	tgtcagagct	ttttgggaca	taccaggagg	ccagctggg	46320
tgtgtgacc	acatggagac	gagaacttca	agggagagcc	aaagtgcacg	caggttctgg	46380
tggatgtttc	attgtgcagt	gacctgtctc	tctagtgaac	ccagatctag	tgggtgttgt	46440
ttgctataat	gaatcaaatt	gtcaactctt	aacattgaga	cccacaacac	aggaggggaa	46500
cagaggggca	aaaattgtja	agaacggcat	gaacattcct	tctcttccat	aggatgtaaa	46560
aggacgtggc	acaaagctca	acacatagaa	aacaataagt	aaatcataca	catcagatgg	46620
ttttcacatg	gttggttacca	ttattttaat	gtgaaattgt	ttttcacaaa	gtttgtacct	46680
atttatactt	ccaacaattt	aggagaaaaa	agttgtatca	cacctctgpc	tttacttcaa	46740
gactacactt	acttcaaaaa	ttgtattgaa	atttaatttc	ttaaaagaat	atttcctacc	46800
gaatggaagc	cagtgtctcat	ccctcttctc	tctcaccaaa	tatcaacagg	tgactttcca	46860
cactgcttgg	taactgcata	tgggtattgat	atttgtttat	ttttagctat	tatctaagac	46920
cactggaagg	tttggttcttg	tgtcttctag	tctcttgga	tatcatgcct	attttactta	46980
tttttaaagt	ttttataagg	ttgtaattgt	ttattttaat	tttaaaattt	attttttaact	47040
ggcaataatg	tatatctatg	gggtacaata	tgatgttttg	atctatgtat	agattataga	47100
aagagtcaat	caagccgggc	atagtggtct	atgctgttaa	tcccagcact	ttgggaggcc	47160
aaggcaggtg	gatcacctga	ggtcaggagt	tcaaaaccag	gotgaccaac	atggtgaaac	47220
cccatctcta	ctgaaaaatg	aaaaaattag	ccaggcatgg	tggcaggtgc	ctgcaatccc	47280
agctactcag	gaagctgagg	caggagaatt	gcttgaacct	gggaggtgga	ggttgcagtg	47340
agccgagatc	acgctgttgc	actccagcct	gggtgacgag	cgaaactctg	tctcaaaaaa	47400
aaaaaaaaaa	aaaaagaata	aatcaaaacta	gttaacatat	cacatcacca	agttgttttt	47460
ttgtgggtctt	tatttttttc	tcttcttaat	ctcaaaacag	agaatgtaaa	aaattcatgc	47520
ttttagcaaa	tttgaataca	gaatgcatta	actgtggtca	tcacacatgg	caatagatca	47580

ctaaaacatt	tcctctactc	tgagactgag	caacatcttc	cacatcccca	gcctctgata	47640
accacctttc	tactctgttt	ctatgggata	tactttttta	gatttcacaa	ataaatgaga	47700
tcatacatata	tctgtctttt	tgtgcctggc	ttacttaact	tagcataata	cccttcagtt	47760
ccatccatgt	tgtcatgaat	gacagatttt	acttctttct	aagggctgta	agtattccat	47820
tgtgtatata	taccacattt	tctttattca	ttctctgttg	atggacattt	agtttggttc	47880
cacatcttgg	ttattgtgaa	tcatgctgaa	atgaataaag	gaatacacagat	atctcttcaa	47940
catactaaat	tcaattcctt	tggatatata	cccagaagta	ggactgctgg	atcatgtggt	48000
cattctattt	ttagtttttt	gaggacctct	atactatttt	ccaaaatgac	tatacttaga	48060
tctcagcttt	cttgaggcag	ggagccatat	ctgtttaatt	cactcagcat	atactgcaaa	48120
gaagcagggtg	tgtgtatgaa	ctgtgtgtgt	ttgtgtgtat	gtatctgcat	gtgttaggga	48180
gaagtgcaga	ataaatatac	ccaactcttt	actatgtata	gacattatct	aggtctttat	48240
tttttttctc	ttcttaatct	caaagaaaac	agaggaaaag	aggaagtaaa	aagtaaattt	48300
ttgcctgaag	atgtttggaa	aaaataccaa	ataaagttag	atagtgggtta	atctagtgat	48360
ttttattttt	ccgtcctctt	tctggcctcc	aattgtgaaa	taattttatag	cactgtaaga	48420
aagaagccac	aaattgtggt	agcttggacc	actgttgagg	tctggaatca	gaattccaat	48480
gttcaaatat	tggctctacc	agttataagc	tctatgacta	tgaacaaaac	actcaacttc	48540
tctatcttca	gtaaccgtcc	acaagaattg	ggaatatcaa	caatgccatc	tttattgcat	48600
tgtagaatt	aaataattca	atatatgtgg	aaaatagcat	gatatcaggg	atatacaatg	48660
tgtttacaaa	tgataaccat	tattacttaa	tattgatagt	gataatttta	ttcatttcac	48720
atggcatgaa	gtaccaagct	ctataggaat	cagaaaataa	agtcttattt	ctttttcttc	48780
tctattgtcc	agcttctctac	aggaaaataa	acactcacat	cctaaagggt	ccagaaacag	48840
atgaggtaga	gtcacctgc	caggctacag	gttatctctc	ggcagaagta	tcctggccaa	48900
acgtcagcgt	tcctgccaac	accagccact	ccaggacccc	tgaaggcctc	taccaggtea	48960
ccagtgttct	gcgcctaaag	ccaccccctg	gcagaaaactt	cagctgtgtg	ttctggaata	49020
ctcacgtgag	ggaacttact	ttggccagca	ttgaccttca	aagtaagagc	tgccccact	49080
tcctaggtct	atcagttagg	gttcagacaa	gaaacagatg	gcatactoga	gtgatttgag	49140
gagagtgtaa	taaagggact	gtttacaaaag	gtgtgatcac	catttgagaga	aactacaaag	49200
gatagtgcag	aacactgggg	cttcaatggt	gggagggcaa	ttaccactgt	tggagaagtt	49260
actggaatca	gaagggaagct	gtagggaaag	ccccacttcc	caggagctgt	agccacagaa	49320
tagggaagct	gccacatgca	gcgactccaa	agggtggaaa	ctggatgaat	gaatacccca	49380
actcattctc	ctcccacct	ccaatctcct	gctagcacct	cccattggct	gaaccacagct	49440
agaagtcaga	gaatacaagg	gtccactggt	gtattccata	aaagtcaact	tctcagggct	49500
cagagcaata	ttgacatgta	cagaatagat	ctggagagga	aacagaaaat	atctagtaca	49560
atagctaate	actgtgatcc	atgcacagtg	tcatgagcca	gcaggatgaa	tattcctttg	49620
ctgtaacttg	tgccagtcag	ctgggttatgg	gtttttccaa	gaaatttggt	ctctaacaaa	49680
attcttcaga	gcctttaactg	actatgctgg	atattttttg	aagggatccc	atacttttga	49740
acttcataca	gcagaatttc	aaacaatctt	gggaaaataa	caacttttat	ctgcccagta	49800
aggacaacta	acacctagta	tcataatcat	ttcgtaagag	acaggtaatt	tcataccoga	49860
gtgcatatgt	tttctaattgc	tcttatatca	aattaccaca	agcttcacag	tttaagacaa	49920
cacagattta	ttatctgata	cttatggagg	tcagaaagcc	agacttgagt	ttcaactgggc	49980
tc aaatcaag	gtgtcagcag	gattgcagag	gccttaaggg	aagattccac	tttctgtct	50040
tttccagctg	ctagaggcca	cctgcattaa	ttgcctcatg	gcctctccct	ctatcttcag	50100
aggcagcaac	cctatcattc	agcctctctg	ttctgtcaac	acatctctct	ctctctcttt	50160
tttttttttg	agatgaagtc	ttattctgoc	cccagggctg	gaatgcagtg	gcacgatccc	50220
ggctcaactgc	aacccctgoc	tccgggttcc	aagctattct	cctgtctcag	cctcctgagt	50280
agctjggatt	acaggacat	gcacaatgc	ctggctaatt	tttgtatttt	tagtagagat	50340
gggtttccac	atgttgga	ggctjggtct	aaactctga	cctcaggtga	tccgcctgoc	50400
tcagcctccc	aaattgctag	gattacaggc	gtgagccatc	atgatcagcc	acatctcttt	50460
ccctaactag	cttgctctct	tttgccacct	cttaaggacc	cttgtgattg	cattaggtac	50520
tccatccccc	tgggttatgg	gggtgatctt	cccatctcaa	ggtccatctt	caaaattcct	50580
tttgccatgt	aagggtgacat	attcacatgt	tccagggtatt	agaatatgga	catctttggg	50640
gagagccata	attttatatta	tccatctjag	aagggtatata	ctctcagact	aaaggacagt	50700

ccctagtact	gattcaatct	ggctttatag	aaaattcact	atattgtcat	tgtatttcac	50760
agttttgcoct	ttgtcttagc	tggttaagaca	gagcctatga	taaggacttg	tgtggcatgc	50820
aggtatttta	ttggcaaccc	cagagggcag	aagcaagaga	tttaggagtt	taagagaggg	50880
taatataaga	gtatattatc	aaagttgtag	tgtggacaac	agaaactcaa	atattcaagg	50940
accagcatgt	agacagcctc	ctaagatgtc	tactcagaca	agaattttca	ggtggaagga	51000
cttgttcac	tgcttcacgc	ccattgggtg	acaggaatat	gaactccatt	ctgctgctgg	51060
gctagacatg	catgtgggct	gagtgaagctt	tcccagtat	ccgtagcatc	agaaaagtcg	51120
cagggcagaa	agaaaagtat	ccaatttgag	gtgaattact	gaccttgaag	tgagtgttaag	51180
cctaactaga	attctacccc	agctggctga	agtgaagggt	gaggctgaga	ggaaataagg	51240
caggactgca	cagtcccca	ttgtactggt	caaaccact	catgcccttc	attaagtcag	51300
ctctgccact	gagccttcca	gctgggaggg	agccacaatc	tctgcagaag	atttaataata	51360
caccagtttg	tggaacaagc	tgtagttcct	gctgctgctg	tggatcccaa	gccacagttg	51420
atatttggtg	tctcactcat	ccaccatata	ttccagattt	ccctcaccta	acaccccaga	51480
tggaatgggt	tctttgcctg	ataggggtgac	ccagacttaa	cgaccctaag	agatctgagc	51540
ttttgatcag	catgccctta	acagactggg	gttgttgcaa	atatcttttc	attatcactg	51600
gatatggaag	taaaaaagaac	cagtgaatca	gcggaccctt	gagttccaga	catactcttc	51660
cttgtctcca	ttatgtagca	gtgttcaaga	ttttcatgat	aatcaagatt	gatttctcca	51720
ccagtatggg	aatttttttc	tttgctcact	ggtctgccaa	tattaagagc	tcaaggtggc	51780
cagggccagta	gcagagcttt	agatgcagta	gaacaagcag	agtatccctt	gctagaattc	51840
cccgtaggaa	gccagacctt	tgattcagca	gagcctaaat	gtgtgggggt	gagtgaactt	51900
ctatacgtga	gtcattagaa	gtaatggtga	gaggggccaa	cctgcagcac	tgggatagcc	51960
ctggtacaga	cgtagaacat	gcttgaggag	gttgctcagga	ggaaatgagt	tagacottgc	52020
acagaactac	caccatcaag	tacagttggg	gtgaggcaga	catggtatga	gttgaggcat	52080
cagagatata	tgatgcttta	tgccaaatta	aaattaattt	tttcatggag	tgacactgat	52140
ccacagacca	gactccaaga	actttgcagt	gactaaatac	ccatctcctc	ataactttcc	52200
tggtattttc	ttctggaaaa	aattcttccc	tgatacagtt	ttcagaggca	gctagatgca	52260
ctgtcatctc	tccccttttc	ccacttccct	acctatccac	aatttactac	ccaatgccaa	52320
cactaaagtt	agcccaactt	ccttctaact	aaattattag	tttagaagga	aagagaggag	52380
tcatgctaag	gatctttaact	gaaatcaaaa	cattagaggc	tgggcattgg	ggttcttgtc	52440
tgtaatccca	gcactttggg	aggccaaggc	aggaggatca	cttgagccca	gtagattgag	52500
gttacagtga	gctacaattg	tgccattgta	ctccactcca	gcctgggcaa	ccgagtgaga	52560
ctctgtctcc	aaaaaagaaa	aggaaagggg	agaggagggg	agaggaggta	gggaggggaa	52620
agaaagaaac	tagaaatcca	tcaattttag	gaccaacttc	aggtaaaaaa	atgaattagg	52680
caagttgggt	tttcaacatt	ctctacctct	ctttatatca	tgggttgagac	cacagacttc	52740
tcacctcatg	aaagatgaac	tctaactaat	tcataactaaa	gctaaaagct	ctaaagaggga	52800
ttaaatatga	gcaatcccac	gagaactttt	ttcccttgga	attgtttatt	caactgttgt	52860
tgtttatatg	gaatttccctg	cctgggttaag	tgtaggccag	tactttggat	gaattgtagt	52920
ttttctagaaa	gacgtttctt	atataagaac	ctctccaggg	aaacaggggc	ctgtatgaga	52980
tgaattgaga	aataacttta	caccaatgat	tatgtcagtg	ttctattctg	catggttagag	53040
atgtgaaaag	gcagactgac	cattgtctctg	gaagccttta	cgctgtgaga	agtttaacagt	53100
ggagtaaaat	ggccactcca	ctctcttccat	ggaagccaac	atggcttaact	aaatagtcaa	53160
caaccatggg	agagacctgt	ggggctcttca	tcagagctca	ggatctctca	gggtatcaact	53220
cataaataca	gpcatcaggg	agatggagaa	atctttgtgc	agccagaaat	tctcaacctg	53280
gttttaacca	tcttcccaaa	ctttgtattc	gtctactgtg	ttactgacat	ggatctctctg	53340
cttcaattaac	catcccttcc	tcaccacatg	ctctctgaac	ttggctgcac	ctttctctaac	53400
tccatgcctt	ctttgtctag	gtttttccac	ataaatatca	ttatttccct	ctctactagc	53460
tccaagccca	ccctctctct	ggggcagctc	agtcactcca	gggcacaagg	gggtctttcc	53520
ctcatcccac	attttgagac	ctactacctg	gaccatttgt	ttgccttgta	actatgcttg	53580
cttttttaac	tgtattttta	ttttccatgt	attttccattg	ttcacacaag	tcttcttttat	53640
tccacactaa	ggcaaaaagca	gagtctgtg	tcataataaa	gtgctcaaca	aatgttgggt	53700
tgtattgggt	ggagattcca	tcttagataa	tgcagtcctc	atcatgcccag	ctaccagact	53760
gtgtggacag	ccaggtcaga	gcagccaaaat	gatattctag	cttgtggcac	aaataaccagc	53820

aacaaaataa	ccaaagtcac	acatctgcct	ctgagttcct	ggcttctatt	tctcaagggc	53880
atTTTTaagt	tgtcttatga	ctgttccctt	tctactcatt	ctcataaatt	gagctgtgga	53940
ctgctgtgac	ccacaagctt	ctccggaagt	caatgtataa	aacaaacacg	gaaacgaaga	54000
gtatgggtggg	tggagggtac	tccactgact	ctagaatgga	tgactgaaca	ttccaaatTT	54060
caagcacaaag	ttaggggagca	acagatcatt	ttccttttga	aatagggttt	cttctgctca	54120
gccagttggt	gtatTTTcat	taggaaatgg	aatgggacta	cagcacaaaa	aataaatata	54180
aaaggaccct	tgtagggtctg	gcagaaaaga	gaatccttcc	taggagacct	ggagggtgatt	54240
ccaggcagtg	gTTgagagca	tgggctctga	tgTcagacag	gcttaaattt	caaactctct	54300
ctctattagc	tttgagaacc	taaatatcct	acttagccac	tctagcactc	agtctctcat	54360
gtgtagcatg	agggtagagta	gtggtagaca	gtttataggg	ttatagtgag	gattaaatga	54420
aatgtgctta	taaagtgcct	agtactcaga	aagtgtgcaa	acagtaaaaa	aaaatggtat	54480
atctagcaag	ttgcatgcct	tacttgtgag	ttcatgaagt	tgtggcaagg	ataagacaaa	54540
tatTTTTtgc	cattgcatca	ttatatcatt	gctaagagta	tgccattatt	ggccagggtgc	54600
ggtgggtcat	gcctgtaatc	ctagcacttt	gggaggctga	gatgggtgga	ttgcttgagg	54660
ccaggagtTc	aaaaatcagc	ctggctaaca	tggtgaaacc	ccgtctctac	taaaaaataca	54720
aaaaattagc	caggcatggt	ggcagggtgcc	tgtaatccca	gctactcaag	aggccgaggc	54780
aggagaatca	cttgaaccca	ggaggcgagg	gttgacagtga	gccaaagatca	tgccactgca	54840
ctccagcctg	ggcaacaaga	gggaaactcc	ttctcaaata	aataaattaa	ttaatTTaat	54900
taaagaaacg	acaaaagagt	atgcaagaat	tttaaaacaa	cttagaggaa	tatgtatgag	54960
gatacaggct	aagctaccat	aatgaagaga	cctcgaaata	cagtgagaag	cgagacagaa	55020
gtatctttcg	ttccatgtaa	cactcagggtg	gttcagagca	gctaagcagc	tatgtttccat	55080
agagtcattc	agtgatccag	attatTTtca	tctgttgctc	tgccattctc	caggatgttg	55140
tcctataaaa	attgtcaaaag	ctcagtcagt	gccaaaccca	tgTTTTcaacc	ttcagaaagt	55200
aaacgagtggt	tggaaaacac	attcaatggt	ttaaggccaa	gaccttgaaa	actcactctc	55260
ttagcctgaa	cttagattac	atggctgggc	ccacttaact	ataggggagg	cttggaacaa	55320
tagtctctga	gaagccatgt	gtccagctaa	ttccctaata	ctaaagttga	aagaaagaat	55380
ggattaacca	gcagtatacc	acaaggtaac	aaatgactag	gaggatcagg	ctagggtggac	55440
tagaaaagag	acagtcaatt	cagtgcacaa	attccatatt	gacacttttc	atgtagctgt	55500
tgcttggtctc	tatctagaga	ggactcagag	gtagttttaga	taaggccctt	gccctccaaa	55560
tacagtctaa	gcagactgat	ttcctactgg	atgttcaact	ttggagtctt	cagggatgag	55620
tagggcttct	gtacgtggaa	gagactatga	gggaacctgc	acaggacaag	ggtttgcata	55680
aagacactga	ggtagggacc	tctcctgttg	tggggacagt	gagaggccca	ggtctccttg	55740
actcacaaaag	tgcttactaa	gcacttacta	gaaattaaga	agcagattat	aatcaatatg	55800
ggttatccaa	tgTTTTgatg	agcaaggctc	cttatctttt	cttcgttaat	gttaatcaca	55860
ctcttttTga	tggagacaaa	tatctgtggg	ggctgagctt	tgggtcagat	agatctgggt	55920
ttgcaatcct	ggcattgact	tttacttagc	agtgatgacc	tcacatagat	tatttagcaa	55980
ctctgagact	tacttccctca	actctaaaaat	gaggggctca	gactaaataa	tgtctaactct	56040
cttctccagt	aaaacaatcc	gtggttctca	gatagcaactg	tgctggagggt	agtgggggttt	56100
gagggctggg	aagttgggag	gactgagccc	ttcccgtga	gcagtttcgt	ccagtttttc	56160
ctgtaccagc	ctgtcatggt	tattccatgt	gaatgactcc	agaggcaaaa	ttcaagcttt	56220
tgaatagggc	acaaattaac	ttgagtaccc	tttcatTTcc	ctgtagggtga	acaactcctct	56280
agccctgcct	tttgtcagtc	tggagccctt	gttctaactct	gtacacacca	gaggacttta	56340
caaggctttc	ccagcctcc	agaattatto	ttctgatcca	ccctctacta	aactcacccct	56400
ttcctcagtg	ctaggacgtt	gaaaaaccga	aacaaggcaa	agggcccaatt	gtaataattc	56460
acaactaaggc	atgagtgact	aggttttagta	tattaacact	acctaggata	ttctattttct	56520
tcacaaaagga	tctgtttaat	ccttgaaatt	taacaactaa	tggtatagat	tctaagcact	56580
gtgagtactt	gtcagtgggg	gaaagacatt	tttgggctga	gagacttttg	cactgggaag	56640
agagagagga	tgaggaggag	aagggggata	gggaggaaaa	agagaaaaaa	gaaagaaaga	56700
tgattagatg	atagatggat	ggattgatgg	atggatggaa	aaaaataaca	tgagagagtg	56760
gtaaaaagca	cagaatctgg	aaccagactg	tatcttagct	gggtcactta	ctatgtaact	56820
tagggaaagc	ttcctagtct	ctctgtgcct	ccctttcttc	accagtgaaa	tggggatcat	56880
agcagagcca	acttcacaga	gtgggttgca	ggagtggatg	agctgatagg	tgcagagcac	56940

ttagaatagg	gcctggtgtg	gagtaaattgc	tccacagagc	tagccgtggt	ggctgtcacc	57000
cactcatgtg	gccagcctgt	tggtctacct	cttagttgcc	atgtaacagg	attctggtgc	57060
ttttcctttg	cccaggtcag	atggaaccca	ggacccatcc	aacttggtcg	cttcacattt	57120
tcatccccct	ctgcatcatt	gctttcattt	tcatagccac	agtgatagcc	ctaagaaaac	57180
aactctgtca	aaagctgtat	tcttcaaaaag	gtaagtgagt	ttatttcatt	gtaacccaat	57240
gcactgggtg	tctgcagcat	gagccactgc	tttgcactgc	aggcctatgg	cttgcctgct	57300
tcatgctaaa	cccactcaga	gcttatgaac	cactttgagc	ttgtcttgat	gattatTTTT	57360
cccagaaga	aaatggctct	catcgtcagt	gagctgaact	tcttacactg	agtttttttaa	57420
agggaatggt	ttgttcttat	gtctgaaaga	gtttgtctta	ttctttgagc	caagagcttt	57480
catcagcctc	atgagagtga	tgttattttg	gcaatgcaga	gagctaogtg	ctccgatttt	57540
gctggtggga	ggttgccagg	atcctttctg	aggattcctt	ccattttcac	ccctcttttc	57600
cccagtctgg	atatgacctg	ggttaaacc	acccctctct	ccaggaatct	caacctcacg	57660
gttgggtaag	gaaaggagaa	aggtttgtga	ggccatttgg	ggataaggaa	acagctgggt	57720
ggtggtgcat	taacgtcttt	cagcagctcc	cttcgagttt	ctccttagcc	tgttgtattc	57780
ttaccaaac	actcctgttc	tgttgtacca	gctgggacag	agcatgetga	agcctttcag	57840
ccctgatttc	attgcttcat	tgttcatgtg	tctgtctttg	gtttcctggg	tggagcctgc	57900
ccacaaaacc	cccagaatgt	atgcaggcct	agctggtgct	ttcctaaacg	gctcccttgt	57960
ctgcactcaa	tgaacttctc	caaagatcta	tacatggcct	catctataga	aagagaaatg	58020
acatgtggaa	ataattcagt	aggagtttgc	agcagcacta	tctgaggact	aggggaattt	58080
taagtgggtg	ttatcttaca	tttatactca	taacttctat	attttcatct	gccataaaat	58140
attgtcatgt	tctatttgtc	cattgcccta	tgtgtgtatg	tattcaettg	ggtgctgacc	58200
acaatatttc	taactgtaga	atgcaaggaa	ttgttgccaa	aagaaaaaga	cagagggagg	58260
gaagaagatg	gccaggggag	tgagggagaa	agagaaaaca	ggagatggag	aagaagaaag	58320
atagaaagaa	aaataaatgt	gggagggag	ggagcttcat	ggtaaaggag	gaggtatgtc	58380
caacagaact	tgcactttta	aatagaacca	cttcagagag	ttgtgtcagg	tgcacctcag	58440
ttgtcttata	ttctgccatt	cttcttttac	ctctcacacc	catacctcag	ggttcaaggc	58500
ctggggcctg	aggactcctt	aataacttca	gaaatgagca	gctgagtgtt	ccgttccagc	58560
tgtctttggg	agaatggaat	ggagtcacac	tcaaagatag	agtggaaata	aatcctctcc	58620
tcatccttca	cccgaatctt	aagagtgagt	gaggatatca	gtagctccga	gctgggaggt	58680
aaagctcaag	ttctaactgt	gattaggaga	cctttcttac	aaataagaat	taagtgaata	58740
aatgtgcaaa	caatttcttt	tatatTTTTa	atgaaccaga	gagaaatcat	ggttgccat	58800
ataacccttg	tctccaactc	acttgcattc	agatctgctt	tcttacatgt	gtctgccatg	58860
cacacaaact	tgtgtgccat	ggaaaagggt	tgagaactgc	tggatgatga	gacagagctt	58920
taaaccaggg	tcagagggct	aggctgggac	cttgtgctgc	catttggttg	ctttctgacc	58980
ttgtacaaat	tgcctatctt	ctttgagatg	gtctttctat	ctgtaaaagg	ggaagcagca	59040
agagaaggaa	cattttacag	cttattggcc	gaacttcaat	gocgttagtg	tggttcaact	59100
tggactacag	agaaatcttc	ctaactgggt	tcctgttatt	cactcctgct	acctccaact	59160
tggctctgtc	tcactttttg	ctataatagg	cttttaaaaa	tcataaatct	acctgtgtgc	59220
ctctgtccag	acctctctca	tggcttttta	ttgtctactg	gatgaagtgc	caacgagccc	59280
aggatgggtt	gactcatgtc	tccagcttta	actgcacac	catcaccttc	attgtctaaa	59340
gctctaacca	cacaggattt	tctagtcttc	agaggeatgg	cagtctttca	attccgaggt	59400
ttctcataca	atattgtctc	ttcttaaaat	attttttctt	gttgtccacc	tgagttggag	59460
tcatctttta	aatctcagct	aagcttatac	ttcatcaagt	ctttcctaata	tctacctcca	59520
cgcaccacac	ccattacatt	aaatccctct	attatatggt	tcataagcac	ctaattcttc	59580
tttcagtata	ctcagcacac	aatcacatgt	ctaggatctg	tttaaatagc	ttggactaac	59640
aattaaattg	catccctttt	aattttccaa	ttgattcttc	aagtaacccac	atgcccattct	59700
tagcaagaag	ttcagtgtct	ccctcttata	gcatgtactt	ctccacctcc	cacaaaactgc	59760
cagaaaagctt	acttagccca	cagggccagt	gctaggccagc	taggttagtc	ctccagaggg	59820
ccctggtttt	gagcagttgc	tgtctactcc	ggccatgcag	aatctctggt	ccttccagat	59880
gtctccatcc	actgtgcaaa	ggtaaccttg	ctggttccga	tcaccaacaca	gaccacagtg	59940
ctacaagatt	acagttctta	tggttcccca	acacatgctc	tgtcattggt	cccaagcag	60000
gacccctatg	ggttgatgag	gtaggaggag	gtccctgcct	tagccacagc	tgcacacagc	60060

cagcctcttc	cettctaggc	cctcatgttg	agcctgggac	gccagtccta	acttccttct	60120
cttcagttcc	tcttagggcc	attggtatcc	tgaatttctt	agtccattgc	aaagttaagt	60180
aaagaagcag	caggcttggg	ccctttcctt	ccagatggct	tcttagctcc	tgaacagatt	60240
taccaccta	tacctcagtg	actagctctg	tgtactaaag	tgtattggga	gggcagccat	60300
tattggtcca	taaaaggtcc	tgcttaccat	tttcccctaa	gaggaaccat	tcaacagttt	60360
ggggctcgag	ggtgacctgc	tgggctctag	agaagaagct	ggcaacttct	gttgcaaaat	60420
aatgttaaata	tctgcttcat	ctgcttgtct	ttacgtttca	agaatacagt	aactgtgttt	60480
ctctgattca	ccaatatatg	cccagtgctt	aaaaaattac	ctggcatata	ataaatgttc	60540
aatgaaatth	taaacattga	acctactata	tgcaggtgag	tatgctagat	ctgctctgtc	60600
caatataata	gccatctgtg	gctcttttta	agttaaataa	aaattcatca	gtcacatctt	60660
aagtattcac	acactgtaag	tgctcaatag	ccatgtacag	ataattgtct	ctgtattgga	60720
cagtacagat	atacaacatt	tccatcattg	cagaaagttc	tactgaaaac	cactgtgcta	60780
gaccctttac	aaactttctca	tttaattttca	caaaaattgc	ttgtggcaag	gagaagtgtc	60840
tttatgctgg	agttaagaaa	gtgaggctca	gaaaagttat	atgacttccc	aaagtcatac	60900
agctgggatt	tgaatacagg	tctgttttgac	tccaaaactt	gtggcctatt	tgttgcaaaa	60960
gtgcttaata	caaattgggt	cagtcaatat	tattatcttt	gaacaatgga	aggagaaaagt	61020
aagtttcaat	ccaaaataat	tgagtgaact	atacattgac	ttgctgagcc	aatggcaaaag	61080
tcaagttaga	atccagcaga	agtcaccagc	tacagaatct	agatctttag	aacatgtctt	61140
cagatcttca	gaacagtgtt	tcttaaactc	tcttgtgaag	gaacagttaa	catcataggg	61200
tggtaacagt	tcacctacca	gcaccagccc	atgaaccaga	ctctaagtgg	cacagcccta	61260
gaagattgag	ccagaattht	acagaggttt	aaagacccaa	tatgctgggt	tatggttacc	61320
tgtggcccac	agagaatggc	agcactaacc	tcaggcataa	atgaggtacc	cactgaagcc	61380
aacattcaag	agcaattcct	atgggttaac	cattgggctc	ctttcaaagt	caaaccttca	61440
tgaagagagc	tacagtgtctg	aatagagacc	tccaaattcc	aggccaagct	caggatagtc	61500
atgagggat	tactaaaaac	ctggtatata	gggcaaaagc	agaattagga	atggactgat	61560
ttcaggaacc	caggcaatgg	caggagttgg	gcattaaatc	ctaaaagaga	atcagagtgg	61620
gaggaatat	gtgaaatcag	aggttaagaa	aaaagtgaag	acctattcat	gattgcaaaag	61680
atatgaaacc	aacctaatag	ccattgacg	aataagtggg	taaagaaaat	gtggtatata	61740
tacaccatgg	aatactactc	agccatgaaa	agaatgaga	taatgtgttt	tgcaacaact	61800
tggatggaac	tggaggtcat	tattccaagt	gaagtaactc	aggaatggaa	aaccaaatat	61860
catatattct	cacttgtaag	tgggagctaa	gctatggata	tgcaaaggca	tacagagtgg	61920
tataatgggc	atgggagact	cagaaggaga	gagtagggag	tggcagtggg	gaataaaaaa	61980
gctgcatatt	gagttcaatg	tacactatth	gggtgacggg	tgcactaaaa	ttcagacttc	62040
accagtatac	aattcatcca	tgtaacccaa	aaccacctgt	accctaaaac	ctattgatat	62100
aaaaaaaaat	taaaagaaag	atgtgaaatc	aaggaaactt	actggtgagc	agcatcccat	62160
tatgtgaact	tgtgtttctg	aaccagtaac	ttgagttact	ttgagccagt	atcagtcact	62220
tataccttag	tgcaaaaatta	attgatcaga	cattctgacc	tggaccaggg	aaggcaggca	62280
gaagtagcag	tcaagactaa	agcagaaaag	ggagagctaa	ttctgcagcc	agacatttcc	62340
tggattgaat	acccaaaatta	gtccctcagc	ctttaagtgc	ctgagggcca	ggagttagaa	62400
gaggaatgga	aagtgtgaga	cttctttgtt	cacactcttt	gctagggggc	cagatttttg	62460
tttatgcatt	accatccgaa	gtcccaggcc	acagtgaaca	tttgggtctc	gctatgtgga	62520
tttatthtag	tttaacttht	gtcctgcat	attthaatct	ataagccaaa	cagttthtct	62580
attaatctta	ttccatttht	ggaattthtct	ctthtcagac	acaacaaaaa	gacctgtcac	62640
cacaacaaag	agggaaagtga	acagtgtctg	gagtaagcat	gattthtact	tttctthtct	62700
actthttht	ctctctcagc	ttgaatttht	aagtaaccac	tgttctatta	attcatggaa	62760
ggcaactgaa	tagttccagc	ttatagaatc	ttctgttttg	gtagcatttc	agcgaagcct	62820
cgttcttagc	ccagaacaaa	tcattgcatc	ttttgtctgg	totatattcc	taagcactcc	62880
tagatgatac	tgcactggac	ctctgtctct	acatagttag	aaacagagtt	aaaatcgaa	62940
agcaaaagaga	agatatttcaa	ctgcgatgca	attgacaatg	gatgtthttg	caacaaacaa	63000
tgattaagaa	gtacattgtt	gtgggctctg	agtcgaaggt	aatatgggaa	aaacacaagt	63060
ctcttcatga	ggttgacagg	tttgagctgt	gaatctgtgg	aggaggaagg	atatgatcta	63120
ggggctcagaa	gaagtgggtt	actaaaatca	ttaagcctgg	ttggatgaaa	agcttagaact	63180

caggggaagc	agcacatgat	tgtgggggct	ggcaagtttg	aatgtgtag	ggcaggccag	63240
cagtctggaa	accaggcgag	gatttctacc	ttacagtctt	gaggcagaat	tccatctttt	63300
ctgggaaacc	tcagtttttt	gctcttaagg	ccctcaactg	attgaatgaa	gccaaacctac	63360
atcatgggag	ataatcagct	ttacttcaag	ttactgata	gcaaatagata	attacatcta	63420
caaaatactt	tcacagcaac	atatagacta	gcatttgact	aagcaactga	gcaccatagc	63480
caagatgaca	cataaaatta	atcatcacag	gcaccaagag	atgagggggg	cagtcttggc	63540
catataattg	gctgaagtaa	gtcaatttgt	cattcctgca	tgagccttta	taaacagaag	63600
taagtaacca	actactattt	ggtcattgga	gttgtccaag	aggccagggt	tctgtctaat	63660
acctgttcat	gcatgaacat	gccaacctag	attgcatgca	gactaccagt	tttgggtttt	63720
tgtttagttc	agcaggattt	ttctcagctc	actgcctctc	aaactttcag	caacaaaagg	63780
acatctgtga	tatcagaatc	taccactcta	agtatttgga	tgcaatagca	atgaatatct	63840
gagtaaattc	aggtggggag	tgggggcacc	ctgtagccaa	aatgatttaa	caaaatcaaa	63900
ccaaaatttt	ggaaatgatg	ccttggtaca	atgaagagac	tacttgagg	aggtttgact	63960
tatctaatat	cttattttct	ttaccaatac	ctaatagga	atttaaatat	ttctagatag	64020
ctttggaaaag	gtcccttaaa	gaggcaccag	cataccactg	ccagatctaa	ttcccccaaa	64080
cactgttttc	atcatcatca	tgatcatctc	tgtctctata	gatcatatca	aatccttccc	64140
agagtttttc	aggccttttg	acaactagcc	acatttcaact	aagccaactc	atctaccact	64200
cttcaacaaa	acttttctc	aagttgagct	gtccaccaaa	caccactgcc	atgagctcat	64260
ttccacttct	gtggctttgc	tcattgttgg	tatttttttg	gagtgtcctc	cctattcctt	64320
cttacttgtc	ccaatcccaa	cttttggcat	ggtctacttt	aagatacagt	aatgagtaac	64380
tttattatta	taacaccagg	cttctgttct	aagacattag	aagtgtgttt	agactagctc	64440
atttaattct	cacagtagcc	ctctgaagta	cttactccct	gcttcccatt	ttataggtga	64500
ggaagaaaaa	catgaagagg	ttaactaact	tgcccaagg	atatagctaa	taatataagg	64560
gccaaataat	tgattcagca	atccagggtg	ccaagtccag	aatccacacc	catacactac	64620
actctgcttt	tttaaaattt	aattcaattt	tttttttag	acagagtctt	gctctatcac	64680
ccagggttga	gtgcagtgg	atgaccgtgg	ctcactgcag	cctcaacttt	tggaactcaag	64740
ctatcttccc	acctcagcct	cctgagtagc	tgggactaca	ggtgcatgcc	accgtacctg	64800
gattttttat	ttttattttt	tgtagaactg	gggtctcact	atgttgccca	ggatgggtct	64860
aaactcctcg	gtcgaagcaa	tcctcctgcc	ttggcctccc	aaagtgcctg	gattccaggc	64920
gtaagccact	gtgcccagcc	tacatacaca	acactctctt	gcttaatctg	taagactctc	64980
ttccccactc	ataccttttt	atttttctc	tgcatgttac	acacaatcta	taccactctt	65040
aagcacatga	ttacagcggt	attttctggc	tgcttctatg	tgtctatatt	ttagggtccac	65100
ctgggtcaata	taataaagtg	ggatattagt	gttaatgcaa	ctatatggta	tttgatatatt	65160
gtctttctgt	ccgtttatca	atgtttctta	tagttttatta	tataataaat	ttaaaagggtg	65220
tctgattttg	accaaatttg	actaaatact	aaaaaacaat	attaaaataa	attttgttta	65280
atttttagttg	agtctatcaa	ctcaaaaaag	aataacctac	aacaataaca	agtttcagaa	65340
catttttttaa	attactgatt	ttatgagtat	aaaaataaaa	aataaaaaag	tataaaggaaa	65400
acaaaaataa	tttagaatcc	attgcctaga	aattgccatg	gttaagattt	taatattgct	65460
caggccccaga	cagctcagg	ctttgacatt	cccacaccca	ttctctgcca	ttccagttct	65520
atctcatccc	aaaaccatcc	attatgagga	gagtgtacag	ctctaggctg	cccgggagcc	65580
atcccgact	ctcattttgt	gactcggcat	cttgggagat	ggagtcttgg	gacttagcct	65640
ggacatgtcc	cttgcatgta	cttcttaca	gacttttatt	cagatgaata	ttttccctcc	65700
caacttaaga	agcacagggc	ttgctggttt	tgcttcaact	accagcaact	gaagcaagac	65760
ctgacttggtg	aaaatgctta	atagagttca	gtattagggc	tgtttcacca	tttctggat	65820
ctcttgcttt	tgtgcacatg	atagaattgc	acttctctgt	gattaatttg	tagttaagtg	65880
tggtcatgta	actcgttttg	gtcaattaaa	tgtaagcata	agtgatgggt	gttattttctg	65940
ggtagaagat	gtaagagttg	gcataatggt	tgccatattt	tttttatcca	tttggcatgg	66000
taaccagtaa	cattctaggt	agtaattgct	ccatcagttc	cagtctctga	gtgaactaaa	66060
ttgacagagt	ccctgctga	ccctcaatgt	acatggaaac	tgaacaagaa	taagcttttg	66120
ttttttatat	tgagattttg	gagttgtttg	ttctacagc	attacctagt	ttactotaat	66180
acaacatgga	aaaaactgga	acctataata	aatagacct	acgttgccat	ttaaaactct	66240
agttctgagg	aataataatg	tggggaaata	ctttctatat	aataaaaaaa	tagaaaattg	66300

caaaataaaaa	atatactttat	gtatcatttca	tgtccttatta	aaaatgttat	ttatagactc	66360
accatatttcc	cttcctccag	aaaaatagaa	gtaaaaatat	gaaaatgcct	gtaatcatgt	66420
ttttggatta	tggaatcaag	tattgctttt	tactttttatg	ttttctgaat	ttttgttgta	66480
cttcactaca	tttttgagt	ccctgatgta	ttacttttcaa	aaagaagaag	aatactttct	66540
gaagccattt	caaccatccc	cactcacctc	tctagatccc	agtaacccaa	tacattatat	66600
aggactcttc	atcagtcctt	atcaagttta	ggaagggcga	tgctatacct	tcttttaaagg	66660
acacctacca	atgtcttagt	tgccttttcaa	agactcctag	cacagctaaa	tgtgatggat	66720
atgctctaag	gatataagag	ctgaagtgc	ttgcataagg	tcatatcata	acttactggt	66780
agaaatggag	ctagaactca	gacccactga	gtccttgtct	gtgacacact	gccctttcca	66840
tttgtggaag	ttgttcttgt	atctaacttt	atctgtgcta	ctatttgggc	ctagccatto	66900
tccctcttat	gcagacaagc	agataaacag	taaaacttta	ggagtggatt	atgataccat	66960
agatatatat	catctatcct	ttacaaaata	gttattacag	tcatcaagcc	ttggttagag	67020
tttacagacc	atgtatccta	gctacctcat	ttcacagatt	atgacattgg	gggctaagag	67080
atattaagtg	acttccttaa	gtgaaacagt	agcagaccaa	aagaagtcct	gattcccage	67140
atagtgtac	tcactcattt	attcattcat	tcacccactc	acaaacctgt	attaagtttc	67200
tgttatattgc	aagacctgt	cagttaggcc	atgtgggaac	tagaaggatg	aattttatcag	67260
tcatccaaga	ttcttacaat	taagtattac	cgataaggta	ctcaagaaac	agttctcatt	67320
cacataattt	gggttaaaaac	aaaaagaagc	cagcttttcta	tatacttttg	gtccagtcct	67380
tacgtttttt	gttttgtttt	gtttgttttc	atgagtatcc	cgacttcctt	ctaagaactt	67440
ccacctgaga	actgaccaca	gcgtcagcat	tccacatggg	tgtgttttct	ttcccccttc	67500
ccatttcagt	ggtttccaat	ttctttttct	tttggcacta	taaacctttc	gcaaaggaaa	67560
tattagacag	aactcctaca	tgtcaagcaa	attaaaatag	tggtgaaatt	agagtggagg	67620
acataatcac	cctatcatat	aggctatttg	tccatatcat	atttgtccct	acaaaggcct	67680
ctaaggcagg	ggtccccaac	ctctgggcgg	cagaccggta	ccagtggcct	gttaggaaat	67740
gagccacaca	gcaggagggt	agcgggagac	aagcgggcac	tactacctga	gctctacctc	67800
ctgtgagatc	agcagcagca	ttagattctc	atagaagcgt	gaatcctatt	gtgaactgca	67860
catatgaggg	atctaggttg	tgtgtctcct	atgaaaatct	aatgtctgac	gatctgaggt	67920
ggaacagggt	catcctgaaa	ctatagccta	ccccactccc	cacacccaat	ccatggaaaa	67980
attgtctctc	ctgaaaccag	tccctggtgc	caaaaatggt	ggggaccact	gctctaagat	68040
acctgtgtct	tcttggaaca	tatttggaac	atcatgtagc	tctcaaatta	tccctatgtc	68100
ctgaagccca	ccttaccatc	aatcctcaga	aatacccaac	ccatgtcagg	caacttcaca	68160
ctttctttct	tcaggcagca	cagttgtctc	agggaggag	gagagtgtca	ttagcaagag	68220
gagtcactaa	cagcttcact	cacctgtgoc	catgaatttt	taatgggtgt	aaaagtctgt	68280
gtatttttta	tggttctctc	tggctcatat	aagagggaca	aacaatacat	gaaagttcag	68340
agatggggac	aaatatcact	ttaagctggg	gataatcagg	gaagaagaaa	gttttcatgg	68400
agaaggtgac	ttttgaatca	ggaagaaatg	gaaacagcaa	actcttctag	atagaggaga	68460
cactaacagg	aaaggcagag	aggcaggaag	gtgtgggaaa	gtgcacgtga	cccgtttcag	68520
agagaaagcc	aggtgtgaga	taagggggaa	agactgttag	ggcatgtatt	gtaaaaccact	68580
aattccaggc	aaaagttaga	ttttaacttac	taagcaagag	tgtttcagtt	agatccctagc	68640
aggaaatgga	gggtatgctt	agaagaggta	actgaggcaa	gtttaatttta	taaagggtgt	68700
tgcagcatta	agggaaaaca	gcaagggtata	ctgagcatgc	caggatgcac	gagcaggcag	68760
ggaaggtgac	tattcctagg	tctgaaggag	aaaggggagg	gagcagttcc	cagaacccta	68820
gtaaaaatgg	caatgagaaa	ggtccatctg	gcaggaccta	tggctcttta	cagagggaca	68880
aagtcacccc	acaacttgct	tgggaggttg	ctgagggaata	gatacccccac	cctctctctc	68940
aaccacactgc	aacactcttt	ttccccataga	ctgagcccag	tcaagagacag	agggaggagc	69000
ccagtgtatgc	agtctgcaat	gtcatcatcc	tggagcatga	atagagtgc	gcagggtgaa	69060
taatgagctc	gcagggaatta	atagaaatat	ctgacacaat	agggaaactat	aagaggtctt	69120
gaataggaga	ggccccgtgaa	atgtgtctca	atattaactga	actatgtgtg	gccccaaagaa	69180
tggaaagagga	acagctcttg	caataggtct	gaggagagaa	gctgaagact	tggactaggg	69240
caatggtaaaa	aactgtggaa	agaagtttta	aatgaaaagt	tttaaacccat	ggggcttcca	69300
gctagatgaa	cttttttaaaa	aaaattagtt	cctcactcaa	attttggggga	ggttatatat	69360
tttctaataca	taaaaaatga	tttttcttat	ttgtgggctt	ttctccccag	atctgaacct	69420

gtgggtcttgg	gagccagggg	gacctgatata	gacatctaaa	gaagcttctg	gactctgaac	69480
aagaattcgg	tggcctgcag	agcttgccat	ttgcactttt	caaatgcctt	tggatgaccc	69540
agcacttttaa	tctgaaacct	gcaacaagac	tagccaacac	ctggccatga	aacttgcccc	69600
ttcactgata	tggactcacc	tctggagcct	atggcttttaa	gcaagcacta	ctgcacttta	69660
cagaattacc	ccactggatc	ctggacccac	agaattcctt	caggatcctt	cttgctgcca	69720
gactgaaagc	aaaaggaatt	atttcccctc	aagtttttcta	agtgatttcc	aaaagcagag	69780
gtgtgtggaa	atttccagta	acagaaacag	atgggttgcc	aatagagtta	ttttttatct	69840
atagcttcct	ctgggtacta	gaagaggcta	ttgagactat	gagctcacag	acagggcctc	69900
gcacaaactc	aaatcataat	tgacatgttt	tatggattac	tggaatcttg	atagcataat	69960
gaagttgttc	taattaacag	agagcattta	aatatacact	aagtgcacaa	attgtggagt	70020
aaagtcata	agctctgttt	ttgaggtcta	agtcacaaag	catttgTTTT	aacctgtaat	70080
ggcaccatgt	ttaatgggtg	tttttttttt	gaactacatc	tttccttttaa	aaattatttg	70140
tttcttttta	tttgTTTTTT	ccttagaaat	caattatata	cagtcaaaaa	tatttgatat	70200
gctcatacgt	tgtatctgca	gcaatttcag	ataagtagct	aaaatggcca	aagccccaaa	70260
ctaagcctcc	ttttctggcc	ctcaatatga	ctttaaattt	gacttttcag	tgcctcagtt	70320
tgcacatctg	taatacagca	atgctaagta	gtcaaggcct	ttgataattg	gcactatgga	70380
aatcctgcaa	gatcccacta	catatgtgtg	gagcagaagg	gtaactcggc	tacagtaaca	70440
gcttaatttt	gttaaatttg	ttcttttatac	tggagccatg	aagctcagag	cattagctga	70500
cccttgaact	attcaaatgg	gcacattagc	tagtataaca	gacttacata	ggtgggccta	70560
aagcaagctc	cttaactgag	caaaatttgg	ggcttatgag	aatgaaagg	tgtgaaattg	70620
actaacagac	aaatcataca	tctcagtttc	tcaattctca	tgtaaatcag	agaatgcctt	70680
taaagaataa	aactcaattg	ttattcttca	acgttcttta	tatattctac	ttttgggtaa	70740
gaggtttgct	caggtgtctg	caagtcagta	agtttaatat	cctattacgc	catttggtctc	70800
ccaaagattt	gaaggccttt	gaggcaaaact	tggatgtact	tttcagcagg	gttgggtcct	70860
agggatgctt	gatctggggc	tcctgctgga	ggaggagcac	ttcctaacac	cacagagagc	70920
agggcaggag	acaaggcctt	cttccctgga	agaagcccac	ctatgetgcc	cctaccccca	70980
cccatgcccc	agatatgtga	ttggcatggt	gaatgcttgg	ggagttttgt	ttaaactctgt	71040
taggaacca	gtggcataat	ggcttctgtc	aaaatattcc	catctttgtt	cctagattgg	71100
ggctatcttt	tagattacca	aatagggaga	gagcaatcta	gctgtagtat	cctgaaatct	71160
gggttctgtc	aggggagaaa	atcataaggc	aatgtgtctt	agcttcagaa	attttctata	71220
ctacagcatg	ctatcttaac	acctaacatt	tatcaagtac	ttgctattgc	ccaatattgt	71280
taagcatttt	acacatacta	ttggaacaaa	tcattcccaa	actctctgaa	aaagacacta	71340
ttaattactc	catttttacag	ataaggaaa	gcacagagag	gttaagtaat	ttgggttaagg	71400
ctgcttggtc	agtttgaaa	ggatggaatt	agagcaacaa	acctatattt	tttggttacac	71460
accataatgt	gccctgattt	cctaccacat	ggggttttaa	gtggtatttt	tatactgtgt	71520
ggtctctttg	ctggtcaata	attaatttca	gaaacaacag	atgctggcga	gggtgcagag	71580
aaataggaac	actttttacac	tgttggtggg	agtgtaaatt	agttcaaccc	ttgtggaaga	71640
cagtgtggtg	atttctcaag	ggtctagaac	cagaaatacc	atttgaccca	gcaatcacat	71700
tactgagtat	atacccaaa	gattataaat	cattctacta	taaagacaca	tgcacacgta	71760
tgtttattgc	agcactattc	acaatagcaa	aaacttgga	ccaacccaaa	tgcacacgta	71820
tgatagactg	gataaagaaa	aggtggcaca	tatacagcat	ggaataactat	gcagocataa	71880
aaaaagaatg	agttcatgtc	cttttccagg	acatggatga	agctggaaac	cataatcctc	71940
agcaaaactaa	cacaggaaca	gaaaaacaaa	caccacatgt	totcaactcat	atgtaggagt	72000
tgaacaatga	gaacacatgg	acacaaggag	gggaacatca	ccacacagg	cctgttgagg	72060
gggttggggg	aaagcagaga	agagcattag	gacaaatacc	tagatgacat	gttgatagat	72120
tcagcaaaac	accatggcac	atgtatacct	atgtaaacaa	cctgcagggt	cagcacatgt	72180
atcccagaat	ttaataataa	taattaattt	castcttttc	cagggaagtg	ctataggagt	72240
gtaggtggcg	tgtgggttct	ggcatcagag	attcaaaacc	cagctcaact	aggtatgagt	72300
tatacaactc	tgaatatatt	ggttgacctc	taagcatcag	tttaacttcaa	tatagtgaga	72360
cctggccagg	cgtgggtggc	catgcctgta	atcctagaac	tttgggaggt	caaggtgggt	72420
gaatcactta	aagccagaag	ttcgagacca	ccctggccaa	catggtgaaa	tcocatcttt	72480
actaaaaata	caaaaattag	ctgggggatgg	tggcacgcac	ctgtaatcac	agctactcag	72540

gagactgagg	caggagaatc	gcttgaatct	aggaggtggt	ggttgcagtg	agccgagatc	72600
acaccactgc	actccagcct	gggcgacaca	gccagacttt	gtctcaaaaa	aaaaacaaaa	72660
acaaaaacaa	caacaaaaaa	tgcatatata	tatatatata	tatataaata	gatatagtga	72720
tatagtata	ccccatctct	gcaaaaaatt	taaaaataa	aaataaaaaa	aatttaaagg	72780
ggccgggtgc	agtggctcac	acctgtaatc	ctaacacttt	gggaggccaa	ggcgggtgga	72840
tcatgaggtc	aggagttcaa	gaccagtctg	gcgaagatgg	tgaacccttg	tctctactaa	72900
aaatacaaaa	attagccaag	agtggcggcg	ggtgcctgta	attccagcta	ctcaggaggc	72960
tgaggcagga	gaatcatgtg	gacccgggag	gcagaggttg	cagttgcagt	gagctgaggt	73020
catgctactg	cactctagcc	tgggcaacag	ggcaagactc	tgtctcaaaa	aaaaaaaaaa	73080
gaaaaaaaaa	aaaagaaaag	ataaagaaa	cagttatctt	tctcagttta	tcatgaggat	73140
tttgagcaca	ggttttgtca	tccccttaga	ctcctagaga	gcagggaagg	agtgaatttt	73200
ttgccatgta	cctggtagct	gatagggtacc	tcatgcatgg	tcacctctga	gactcattat	73260
gtattgggag	aatggctact	attaagactt	ctactttttt	tttttttttt	tgagatggac	73320
ttttgtctct	gttgcccagg	ctggagtgca	atggcacaa	cttggccccac	agcaacctcc	73380
gccccccacc	aggttcaagt	gattctcctg	cctcagactc	ctgagtagct	gggattacag	73440
gcatgcacca	ccacgcccag	ctaattttgt	attttttagta	gaggtggggg	ttctccatgt	73500
tggtcagggg	ggtctcaaac	tcccagacct	aggtgatccg	cccgcctcag	cctcccaaa	73560
tgctaggatt	acaggcgtga	accaccgcac	ccagccaaca	cctttacttt	ttatggcctg	73620
gatataatgg	gctaaaacat	atataatgac	aatgcttaaa	agacttagat	gaattctaa	73680
tctggaaaaa	aaagtacttt	ttacaaaagg	agcaaaaata	gcattcagga	gagtttgagg	73740
aattgagaaa	gaccaaacaa	acaaaaatca	cctatgatct	catcatccaa	gcacaaacac	73800
tttcatgttt	gctgtttgtt	tctgtctctt	gtccatttat	gtatttaagt	ttggctatgg	73860
ttgcaacatg	taattttcta	tacttttaaa	aatttggggc	tgggcacagt	cgctcacgcc	73920
tgtaatccca	gcaccttggg	aggccgaggc	gggcggtatca	cctgaggttg	ggagttcaag	73980
accagcttga	ccaacatgga	gaaaccccg	ctctactaaa	aatacaaaat	tagctgggca	74040
tggtggtgca	tgcttataat	cccagctact	caggaggctg	aagcaggata	atggcttgaa	74100
cccaggaggc	ggaggttgca	gtgagccgag	acagcaccat	tgactccag	cctgggtgac	74160
aagagcgaaa	ctccatctca	aaaaaaaaaa	aaaaaattgt	catctaccat	aagctcacac	74220
ttatgttgct	gacaagtgtt	cctaattatc	acttttactg	gctgcataat	attctactga	74280
gtggctgtga	caaaatttaa	ttaactgttc	ccctattaat	gtaagattac	cgttgtttct	74340
ggtttttttg	ccacttttag	tacaagcttt	tgtgtctggat	atcctccatt	tgaccctcca	74400
gatccactct	ccagccttgt	cctccctgct	ttgggtccta	tgaagctgac	ttgtatggac	74460
tgtatcaatg	ggctccattg	ctctctggct	tttgattggg	ttcagccaat	ggggaccctg	74520
gcaggagatc	agaggatggg	agaagagtat	tgtctgggta	tttattcccc	aggctctccg	74580
tctccagggt	cactgctggc	tggataattc	tctcaactaa	aggtcacagc	tcttggtgaa	74640
tgaccttttc	cacatggctc	catctgcctg	tgggttccag	taactgctct	ctccagtccc	74700
cttttcatgt	ctgggtgcct	acgtgtcccc	tcaccccttg	caacacacac	acacatgtgc	74760
aaacacacac	acacacacac	acacacctgt	tctgtctagc	ctttgggtac	tgactatttc	74820
cttagagttc	cctacacctg	gcccacatct	ctacaaagag	tctctttaat	tagtcttcaa	74880
attatacagt	tcagtgtcct	aactgatata	tcatgtctat	tcagataatg	catgtctttt	74940
tacatcta	ttcattagga	tggataacctg	aaaagggaat	tatggagtca	aagaatgtga	75000
acacttcagg	ctcttgagtc	atactgtcaa	tttgcttttg	aaaaggatct	gttggcattg	75060
gtaccagtgc	atccttccag	cactggatat	tttaaaatat	aattttgcta	agtcaatagg	75120
ttaaaaaatg	gtactttatg	gtaatttaag	ttttcatatc	ttggattacc	ctcaagtttg	75180
cttataaaac	ctggttattg	ctgtgtacgt	tgttattttg	gagtttgttt	aaatgtttct	75240
cccttcccca	ctcattctct	agttgtataa	tctttcttta	ataattcaat	tttttaaaag	75300
atcaactttt	taaagcctca	atgtcttcat	ctattttacag	atattcctaac	aataaacact	75360
ctctcacaga	attattgtga	gaattaaatg	aaaataagca	tgtagcatat	aagaaacatc	75420
caagaaacat	gaatgctttc	ctccttaata	attatgcatg	gagtttaatt	aaacaaattat	75480
gtctattttt	taaaaaaatt	gtgtcagttt	tctttcaagt	ttatattgaa	acttacttca	75540
taaaaataata	ttatagatga	gcagaacaat	tcagtattat	ccagattttg	ttttatatat	75600
tatgtgactt	tagaaaaattt	gtaacctttt	taagccaaaa	tcttttaaaa	ctattttattt	75660

tattttat	tattttatta	ttttat	ttttgagaca	gggtctca	ctgtctccca	75720
ggctggagt	cagtgggtaca	atcatggctc	actgtagcct	tgacctccca	ggctcaagt	75780
attctccac	ctcagcttcc	tgagtagctg	ggactatagg	cacatatcac	catgcatgtg	75840
ttacctcagg	tctggtttct	attatacaga	tcaagtaatg	ctttggcagg	ctacacatct	75900
attatctatt	taattctttt	tttgtgtgtg	tgtgtgacgg	agtttcactc	ttgttgccca	75960
ggctggagt	caatggcaca	atctcagctc	actgcaacct	ccgcctcccg	ggttcaagcg	76020
attctcctgc	ctcagcctcc	tgagtagcta	ggattacagg	catgtgccac	catacaaaaa	76080
taattttgta	tttttagtag	aggcggggtt	tctccatggt	ggtcaggctg	gtcttgaact	76140
cccaaccttg	ggtgatccac	ccacctcagc	ctcccaaagt	gctgggattt	caagcatgag	76200
ccaccagcc	cggcccat	ctattttaatt	cttagagcca	accaccacca	aagattattc	76260
ctgctggtaa	aaaatgctga	tgcctactct	gggatctcat	catctacatt	gagatcaggc	76320
agattttccc	accacatcct	tggcctatag	aaagcagctg	cctgaacatg	ttcaaggggtg	76380
ctggggcttc	tcccattaaa	gcattttttca	atgcttttaga	gaagaaacta	ttccttaggc	76440
tctttcagga	ccaagtgtgg	tgaggggaaga	ggcacagtta	catataataa	atcactcctt	76500
tattttctatc	tccttagaga	ttctaattggc	ttagggcatt	agaatccttc	ctatacatta	76560
ttccagagaa	attctggcaa	ctcaacacca	ttaaatgtaa	cctaccagtg	agtccaaatt	76620
tcagccaatc	aactaagcaa	atagtgccat	tcacagctgc	tctagcta	acatttgttt	76680
cagctagctt	ttgttgata	acaaactatc	caaaacttag	tgacttaaaa	caactgttta	76740
tgtttttatg	attttatagg	ataacaattt	gggctgggct	cagtggaggc	aactcatttg	76800
tgctctacgt	ggtgtcagtg	ggatcattca	tgcatttgca	gtcagttggc	agtttggtctg	76860
ccagatggct	ggtctcagat	ggcttcattc	atatcttctc	attgggtgctg	gctgttggtta	76920
aaaccacgta	tcttcagtag	gttagtccag	gcattctcaa	catagagtct	aatccaaaaa	76980
cagcaaaaaa	gaaagaaaac	cccaatgtgc	aagtgttttc	caagtctctg	tttgtatcac	77040
atttgcta	aatgttccat	tatccaaagc	aagcacataa	ccatgccaaa	aatcaatgtg	77100
taaaggaatt	acatgaaggc	gtgataccac	tactgtaatc	atctacaaca	ttaagtccaa	77160
aactatctgg	aaagtgtagt	atatcaggac	taccttaatt	tggccccagt	tcaatgttat	77220
cttctgtgct	cctgggtcta	ataccttttag	aattcatccc	catacatact	agcctgggtt	77280
cctcta	taagttaaca	aaatcttatg	attcttttga	agtataagac	ttttcctgct	77340
gagctagact	ctgctcttcc	cacctccgta	tattccggga	actgactcta	aataaaggcc	77400
atgagagt	ggagcactgg	ggctgagaaa	gaatagggat	ctcccttgca	aggcaagtgc	77460
ctcatatggg	cttattacag	gctttcaaac	aaggaaaggc	taatattcatt	agacaagaaa	77520
tgagaggctt	cttccactat	caagggaaac	tcagggatgc	ttgggggttt	caacattctc	77580
agtttcatcc	aaatccacca	aaatgtcccc	attcctagtc	tcagagtctc	actcctttca	77640
aattactgag	aaaactttca	catatgagac	ttagccagtc	tgtgaatgat	tgatttggtt	77700
tgaatttttc	agtcatgtct	ttcatgtcta	gtgattctctg	taattagaag	gaataagagg	77760
tactttcagg	gcagtcttag	aagccctctg	gtgctctgaa	tatgatttga	ggtgaaagcc	77820
ctaaactt	tagtttcttc	ctgtaagcac	cctgggtgcaa	tcagaagcag	ccatcccaca	77880
ttacattcct	tataatcctc	tttactacca	taatggttaa	atgcaacagc	tacttggcct	77940
ccagaaaactt	gccttttcatt	ggtatttcaa	cctagcaaga	acagatgata	atttaattcaa	78000
ccatgatgtc	aatgcacgac	atagattact	agtggcaaa	agttcagctc	tcaatttcaa	78060
ccaatccaac	actaacaca	aatcaaatca	atccagaat	gtcagaattt	gagaatctgt	78120
ttcctatgac	cacacctagt	atcaagtgtc	agtatcagcc	agagtccagt	cataaaaaata	78180
gagtgtat	aatattagga	acttgtaata	aagatataag	aagactgaaa	gagcaaaaaa	78240
gtggatgcca	aatattagaa	ctacagacag	cagctacctt	tctactacct	attgctacag	78300
gcctgacaca	ttcaggaa	agaaacagga	aataattccc	cctcccacct	tccagtcccc	78360
aaggccttcc	catttactga	acttaacagg	aagctagctg	gcaagggagg	ctggcaaatg	78420
aagtttgtea	aaattccagc	cctggcacat	cagagcagag	gagaggagg	tggacttaga	78480
gttgagaaca	ggaggtacat	aaccaactca	ctcctcaatc	aaaatctatc	tggatgaagt	78540
ggagacatat	ccatttaagag	ataaaaaata	aagagactat	aaattccaat	tagattgtag	78600
cacaaggaat	tgtcttaaac	tctgtggcat	ctgacctgt	aacaagggcc	caatgtatat	78660
ttgttgattg	gttttatgag	aaaaataaaa	attgggcctc	tgctttgacc	atgagcatag	78720
gacaaaaata	acttattttat	ttattttat	atttattttat	ttattttat	atttattttat	78780

ttttgagacg	gagtctcact	ctgtcgccca	ggctggagtg	cagtggcaag	atctcggctc	78840
actactagct	ccgcctccca	ggttcatgcc	attctcccgc	ctcagcctcc	caagtagcta	78900
ggactacagg	tgtgcgccgc	catgcccggc	taattttttg	tatttttagt	agagacgggg	78960
tttcaccgtg	ttagccagga	tgggtctcaat	ctcctgacct	cgtgatctgc	ccacctcagc	79020
ctcccaaagt	gctgggatta	caggcgtgag	ccaccgcacc	cgggccttta	agtacatttt	79080
gtagaagttg	tatcaaaatt	cattggctgc	aaatgagaga	aaacctgatg	caaactggct	79140
taaattttta	aaagataatg	tgttggctta	tgtaactgag	cagccaaatg	tgcaactggg	79200
tatagggggg	ctaacaaatg	tcttcaggat	tcaaattgtc	tctatcattt	cttcactctg	79260
tttccttttt	gttgatgcc	ttctcagaca	agatatctcc	tcataattac	aagatggatg	79320
ccaatgatta	ttaaaccttt	cagattcaaa	tattttacaa	gaaaaaaaaa	ccagagtatt	79380
tttctcagca	ttctcagcaa	aatcctgaga	tttacagtgg	aaaacttatg	tgctgtgccc	79440
tctccagaac	cagtcaactga	aagaaagagt	atgtaagtga	tatcttacat	ctggagctcc	79500
accagacca	catgaactga	aagtggagag	tgaatcaaag	tgacatcttt	tgtgctaaga	79560
tgttgcaatt	gccccaaatgc	atctgtggac	ttctactaga	aggtatagca	gaagggtgta	79620
ggtgtctatt	ataagaaaaa	tatcactatc	atataacacc	cctggggggac	atattttctaa	79680
at						79684

<210> 41
 <211> 1223
 <212> DNA
 <213> Homo sapiens

<400> 41						
gcaaacctta	agctgaatga	acaacttttc	ttctcttgaa	tatatcttaa	cgccaaat	60
tgagtgtttt	tttgttaccc	atcctcatat	gtcccagctg	gaaagaatcc	tgggttggag	120
ctactgcatg	ttgattgttt	tgtttttcct	tttggctgtt	catttttggtg	gctactataa	180
ggaaatctaa	cacaaacagc	aactgttttt	tgttgtttac	ttttgcatct	ttacttgttg	240
agctgtggca	agtcctcata	tcaaatacag	aacatgatct	tcctcctgct	aatgttgagc	300
ctggaattgc	agcttcacca	gatagcagct	ttattcacag	tgacagtccc	taaggaactg	360
tacataatag	agcatggcag	caatgtgacc	ctggaatgca	actttgacac	tgggaagtcat	420
gtgaaccttg	gagcaataac	agccagtttg	caaaagggtg	aaaatgatac	atccccacac	480
cgtgaaagag	ccactttgct	ggaggagcag	ctgcccctag	ggaaggcctc	gttccacata	540
cctcaagtcc	aagtgaggga	cgaaggacag	taccaatgca	taatcatcta	tgggggtcgcc	600
tgggactaca	agtacctgac	tctgaaagtc	aaagcttcct	acaggaaaat	aaacactcac	660
atcctaaagg	ttccagaaac	agatgaggta	gagctcacct	gccaggctac	aggttatcct	720
ctggcagaag	tatcctggcc	aaacgtcagc	gttctctgcc	acaccagcca	ctccaggacc	780
cctgaaggcc	tctaccaggt	caccagtgtt	ctgcgcctaa	agccaccccc	tggcagaaac	840
ttcagctgtg	tgttctggaa	tactcacgtg	agggaactta	ctttggccag	cattgacctt	900
caaagtccga	tggaaaccag	gacctatcca	acttggctgc	ttcacatttt	catccccctc	960
tgcatcattg	ctttcatttt	catagccaca	gtgatagccc	taagaaaaca	actctgtcaa	1020
aagctgtatt	cttcaaaaga	cacaacaaaa	agacctgtca	ccacaacaaa	gagggaagtg	1080
aacagtgtta	tctgaacctg	tggctctggg	agccagggtg	acctgatatg	acatctaaag	1140
aagcttcttg	actctgaaca	agaattcggt	ggcctgcaga	gcttgccatt	tgcacttttc	1200
aaatgccttt	ggatgaccca	gca				1223

<210> 42
 <211> 822
 <212> DNA
 <213> Homo sapiens

<400> 42

atgatcttcc	tcttgcta	gttgagcctg	gaattgcagc	ttcaccagat	agcagcttta	60
ttcacagtga	cagtccttaa	ggaactgtac	ataatagagc	atggcagcaa	tgtgaccctg	120
gaatgcaact	ttgacactgg	aagtcatgtg	aaccttggag	caataacagc	cagtttgcaa	180
aaggtggaaa	atgatacatc	cccacaccgt	gaaagagcca	ctttgctgga	ggagcagctg	240
cccctagggg	aggcctcggt	ccacatacct	caagtccaag	tgagggacga	aggacagtac	300
caatgcataa	tcatttatgg	ggtcgcttgg	gactacaagt	acctgactct	gaaagtcaaa	360
gcttcctaca	ggaaaataaa	cactcacatc	ctaaaggttc	cagaaacaga	tgaggtagag	420
ctcacctgcc	aggctacagg	ttatcctctg	gcagaagtat	cctggccaaa	cgtcagcggt	480
cctgccaaaca	ccagccactc	caggaccctt	gaaggcctct	accaggtcac	cagtgttctg	540
cgcctaaagc	caccccttgg	cagaaacttc	agctgtgtgt	tctggaatac	tcacgtgagg	600
gaacttactt	tggccagcat	tgaccttcaa	agtcagatgg	aaccaggac	ccatccaact	660
tggctgcttc	acattttcat	cccctcctgc	atcattgctt	tcattttcat	agccacagtg	720
atagccctaa	gaaaacaact	ctgtcaaaag	ctgtattctt	caaaagacac	aacaaaaaga	780
cctgtcacca	caacaaagag	ggaagtgaac	agtgtatctt	ga		822

<210> 43

<211> 90442

<212> DNA

<213> Mus musculus

<400> 43

catctcacac	agtgaacttat	aatatgttca	gattattatg	ggattactcg	tacataaacc	60
tgcagaagt	tcagatgccc	ctgcacaggg	cactcacactc	caatgaagga	attggggctc	120
ctcagtctat	cactggggga	ggaaatataa	aagataaaac	cagagggctt	gtagttaaaa	180
gaaaaataga	aatctcacga	ggtgaagaat	tagtcaaagg	agactaggaa	ccaactgata	240
gaaatataaa	agttaaagct	ggaacagttc	agtaataaaa	tcaacagggc	gctattggat	300
taaagtga	gcataaaaca	gagattcccc	aatccacact	gatcaattag	tgtgcacact	360
gatcaactag	tttgtgatga	gttaggaact	ggagagaggg	agggggaggg	tctcacacag	420
aacaatcccc	gctaactgat	tagttggagg	actatgcccc	gcttgttggg	gtggagtgtg	480
cacagcgtgg	aggaggatgg	tgttaccatg	aggaacctgg	tagatccttc	ccatcagggtg	540
tctaggtctg	ccctaagcta	tattgacaag	agagattcct	ggcacaatgt	gatggaaatg	600
gaacttggtc	tctgectcct	tccactccac	agtcacatgac	ctcgatcaga	tcggtgaatg	660
tggaaatattg	aattttattgc	tgtgtagcca	aggctatcct	caaattgggtg	atattttctgc	720
ctaagcctca	caagtgtctg	ggctaggagg	tatctgctac	cacacctgga	gacttacact	780
attctcaatt	tatgatagga	caggattaac	cagtggcttc	tgttcattgt	catactgaat	840
aactcaaaag	ggctatcaga	agggcttgtt	gttccatgac	acagatataa	aacaggctag	900
attggcagct	agcatagacc	atattagcac	actagctaaa	gaacctttca	aaggactgga	960
attctgtgga	ctatgctccc	tcacagcagt	ggaatgaaat	ggggaagttt	atggaaaaag	1020
cacagcaaga	tctctaattgc	ttgcaaatga	accagcatat	tgctatatag	cgcattgggtt	1080
caagaagaaa	ccatgccaaa	gacactggga	aataacttga	atgagaagat	agggagaatc	1140
atgagatgtg	tataagggtg	aaataaaaatt	ggaaagtgtg	agtcattaga	agaacaaacc	1200
gtcagctatg	aggattgtct	aatattgtga	gacccctgct	actgacatca	gccagttctgc	1260
tagggccttt	ctgcatgccc	tctagtttta	tctgcaacag	cttaagttaa	atgaacacat	1320
ccattaaaaa	tttaacttgc	catccgggtg	ggggtgtgtc	attcctttta	tcccaggact	1380
tgggagggcag	aggcaggcag	attttotaagt	ttgaggacag	cctggtctac	agagttagtt	1440
ccaggacagc	cagggataga	cagagaaaac	ctgtctcaaa	aaaaagaaaag	aaagaaagaa	1500
agaaagaaaag	aaagaaagaa	agaagaaaaa	ttgacattgc	cacatgaaag	gaagttaaag	1560
tjagacagta	tggagcagtg	gctcagtggt	taagagcact	ggctgccctt	ccagaggctc	1620
tjagttctat	tcccagcaac	cacatgggtg	ctcacaacca	tctataatag	gatctaattgc	1680
cctcttcttg	catgtgaatg	tatatgcaaa	ataaataaat	aaataaataa	ataaataaat	1740
aaataaataa	ataaagtjac	agtgtggtag	aggtgcaaaa	tgcaatctgt	atttttaaatt	1800

aaaacagtc	tgacacagaga	tgacaggggt	aaccagtttt	atccagttgg	catacattct	1860
gaagaattac	agaagggctg	tctgcttgct	tttccatagt	acatatataa	aacagactag	1920
attgtttcag	ggtcagatag	ctgtgctggg	aattttcagt	gctaattctg	cataaatcct	1980
ttcagaaaat	agagaaagag	gaaataactc	caaagtcgtt	ctgcaaggcc	agctactcct	2040
tgtgacaaaa	tatgacattt	ccttatattt	ttataggaaa	ggaaaatttt	agacacatct	2100
gtctcataaa	tataaataga	aaagttgtat	gtaaaaatatt	tacaaatcaa	actaaataaa	2160
aggttaacat	gtgcaagtgt	gtgtatgtgt	gtgtgtgttt	gtgtgtgtgt	gtgtgtgtgt	2220
gtgtgtgaga	gagagagaga	gagagagaga	gagagagagc	ttatctgcat	gtccactatg	2280
tacttgacag	tgtgtccaag	gccacgagag	ggcatcagtt	acaagtgaca	gagctgcccc	2340
atgtgtgtgc	tgggaacctg	accaggtcc	ttggcaagct	ccactaacct	ctgagcatct	2400
gttcagcccc	atcaattttt	tctaaggatt	gttttaaaca	atctttcaat	gtaacttacc	2460
acattaacct	atcaggggag	aaaaaacaaa	aacaaaaaat	aaaacaaaac	aaaaaacaaa	2520
aatcaactcg	agacacagaa	acatcgtgag	acaaaaatct	agcagttttt	catagcatac	2580
aggaacagaa	aggagcgtcc	cccattctagt	ctcaagtatc	tagacaaaacc	cttagagaa	2640
tttgtatttt	aatgtttcaa	tagcaaattg	gctctccctc	ccctgtctct	ggagtttaagg	2700
aatgcaaagc	tactgtcagt	gtttctgttg	cagcactgtg	ctgaggactg	tagccagtg	2760
tctagagaag	aaaaagcata	tgatttgaga	gaaaagcata	aacgcactat	catttcgcac	2820
atggtgaatg	atgatgaatg	ccggaaatcc	taaaggattc	aacgacaaac	tgtagaatt	2880
ttaaaaaagg	gcaaaccttc	aggtgttggt	ttaaaaagg	gatgatgtgt	tgtttaaaca	2940
tggtgacttc	caaatcaatt	gtattttctat	aaacaagtaa	aataaattgg	aaggcctttc	3000
atgtgcagtt	gaactgttaa	aatcgaatgc	tgaatgctta	cgaataagt	gtatacacc	3060
tggatactat	gagtagcagc	tgggtagcag	taaaagtaaa	gattacatgt	gtatcaactg	3120
gaggacttga	tactttgtca	ccaaacccaa	gatctaattc	tacatgcaca	gaaattcaga	3180
gaagccagac	tgccaagcct	caccagacag	taacctaaa	tttaaagcta	cagtgaggag	3240
gtagctttcc	tgtagctttg	gctaggagaa	tggggtctta	gtgttacttt	tgctgggata	3300
aaacatgagg	acaaaaagca	acttggggag	gaaggagttt	atttcactct	acatgttcca	3360
ggatcatcaac	ccagggaagt	cagggcagga	acctggaggc	aggaactgat	acagagactg	3420
tgaaggaacc	acgtgaagga	atttactaac	ttactctact	ataggtttgc	tccgccatt	3480
tccttttatc	attcagaatc	accaggtcgg	gggtagcacc	accacacagag	agctgattct	3540
tctatatcag	ttatcaatca	aaaaaatgta	ctacaggctt	gcctacaggc	caatcacata	3600
gaggcatttc	ctcaatggaa	agtcctctct	cccaaataac	tctagcttgt	gtcaggttga	3660
cataaaacta	gccagcacaa	acagagtaag	atagactcca	aatagactca	cacatgtaga	3720
gttggttgat	atgtatgtgc	ggggcacata	tatgaagtgg	gtgataatc	tgaggaggga	3780
atggcaggca	tgtgtatgga	ggtcagagga	caatgttcag	gagttgggtc	tccattccta	3840
cctttcttta	agatgagggt	attacggcgt	ggccttggt	gggttgga	cagcgatcct	3900
ctgtttggac	tgaagggtgt	tactaccaac	acatctagct	tcagccttc	tctgatgat	3960
gcaggacctc	tgctttctct	gttgcgtgtg	tgcgtcaggc	tggctggcct	ggagcttct	4020
ggctgactct	cctgcctctg	atttccctct	agccatagga	gagctggggt	tacatgggct	4080
ccacgaatca	ataggcattt	tcacacgctg	agctgtctcc	cttgattgat	ttttggcaaa	4140
ataaaaattag	tgaggagagg	atagccttta	aatgcattgt	cccaaaactca	ttttttatga	4200
gatccacaaa	taccaaatat	tctagaaaagt	tgtttaaac	tttcaaaaat	gaaattaaac	4260
gtacatccac	ccatcactga	gtaaacctgaa	tcttgagcta	caataggaga	aagctaatat	4320
acacacatcc	atcaaaaacc	atgtgcctag	cgttatgtgt	gtctgtttaa	aggagccagg	4380
agtttaggtac	aaccocagtg	tctacaagca	gtaaaaggaa	tcaccatgtg	ttcatacaat	4440
ggtatgttca	tacaaatatt	atacagcaac	aagaggaa	tgtctgtctat	tctcagtatg	4500
gtggctgaat	ccacacacata	tacaatgagc	agaagaagca	aacctggaag	tttatggact	4560
atatgatttc	cctatatgaa	gttcaagatt	ggctgtagca	aaggctgct	ctgggggtatc	4620
agctgtataa	aatgcaagtc	ttgagcctgc	aattgctttg	ttgcacaatt	cagtgttgac	4680
tgcatagtga	tgttcaggat	ttgagagtga	gactttacag	ttgcagttat	tatagcccaa	4740
attcctggta	agcatgaaca	gaaggaggat	acctgttggt	ttgcagtttg	aggggatcca	4800
gttaactgtg	atgggagggt	tggaaagcaga	gggtcaggt	cctgggtgtg	gtgcgggaa	4860
tgtgaaaccg	ctcatccaca	tctcagtaga	tcagggaagc	aaaggagcat	cctgcctagt	4920

tgccacctec	cttgtcctat	ttttattcaa	tccaggatcc	caactgggttt	gtcccggcct	4980
cattcattaa	tcctctctgg	aaacccaaag	gtgtgctccc	tggatgaccc	taagtatttc	5040
ttgacctgat	caaggtcaca	aagtttacca	ttccatcggt	acaaatgggtg	tgctcactaa	5100
gcaagttggt	agcagtaaca	ggagtatgtg	tgtgctcaga	ctctgctgac	agcattacag	5160
atcaatggaa	agttctggag	agaaacttaa	ggaaaatcct	aaaaaggtgg	tatggttttg	5220
atatgcttgg	cctaggaagt	ggcactattt	ggaggtatgg	ccctgttggg	gtaggtgtgc	5280
caactgtggg	atgagcttta	agaccttcac	cctagcttcc	tagaaatcac	tcttccacta	5340
gcatccttca	gatgaagatg	tagaactctc	agttctgcct	gcaccatgtc	tgcttgga	5400
ctggcatgct	cccaccttga	tgataatgga	ctgaacctct	gaaccgataa	gccatcccca	5460
attaaatggt	gtccttttatg	agacttgctt	tggtcatggt	gtctgttcac	agcagtaaaa	5520
ccctaactaa	gacacaaggc	attgatgatt	tccctagtaa	tttcattcct	agaaaatttt	5580
ccctcagagc	aatgaggat	attaccatgc	cattatttat	aatggcagaa	attggcaaca	5640
cccaaacacg	tcacaatagg	ctgtgcacag	tgacgccatt	taaaatcac	ttagagctaa	5700
aaaagtgctt	gtaaaaaaa	aagagttgta	aaaagggcct	gaaaaggtgt	tcatggtgtg	5760
ttgtgagaca	aaaggggtgcg	ttgaaaatga	tccatacata	ctatactgtt	tgtctgcaac	5820
ctttagaatg	tttttacagc	aagtcccagg	aggcagaggg	aagtgactct	ccaatcacgg	5880
ggtcgggaaga	ggggtcagat	gctgcccagt	tatccaacct	gcttcagtag	ctttaccggg	5940
ggcatagcgc	agttcttttg	agctatcac	agaccaggct	gaggggcaga	acgagaactg	6000
tgagcagaac	aaatcctttc	tctattaagc	tgcttttgcc	agggtaatc	agcacagcaa	6060
caggaaaaga	taccaggaca	gaaattgggtc	ccgggaactg	gggcccgttg	tgataagcc	6120
tgctcgtgcg	tttcttaggc	caactggaact	gttctgtggc	tgaaacttac	agaagaatcg	6180
gaactttgga	accttgggct	agaaaagctc	ttgaatactg	gacacagaga	ttactgggca	6240
attctgttgg	gagctgagaa	gacaagaaat	gtggagtgtg	gggccagctc	aaggggtttc	6300
tgacaagacc	tctgtcagga	accggtaaga	ggacatttgt	gtgatgtttt	gtccacatag	6360
tctggettca	ttctgaccca	gccctccacc	tctagaacc	tgaatgaagt	tgaatgtaaa	6420
ggtaccagac	taacttgttt	agcagaagaa	cttcaagcca	ggagagcttt	cagaccggg	6480
ctgggggaagc	ggctctaact	gtagcagata	ttcgcactat	tgtggagaac	ctcttgatcc	6540
tactgggaga	aggatcctga	ggacaaaaac	atcagaagct	ctcttttggtg	aagatgcact	6600
gactggattc	ccttctggaa	aaaatgtttc	cctgggatca	gcacacagga	gtctatagag	6660
ctgttggcac	aaggcaggca	ggcaggcagg	caggcttcac	ctcaaggggg	cagcagaact	6720
cagcagcagc	atccatataa	tgctggcctt	gcgagtatgg	aaaaatacac	ggctgaggga	6780
ggagctcatg	gaatcttgct	gaatattttc	agagagctgc	taaggccagg	taatgtgtat	6840
gggttttgag	tccctgcaag	gaggccaatg	tgaagcaggg	accacagaat	actggagatg	6900
ccagaacca	gggacacaca	ctgtgagagc	tgtgaacatg	gactggagcc	agcccaggag	6960
aaaacctgtg	tgtgtgaagg	cagtatagct	gaatggctga	tgctatccta	gtcttttgga	7020
gcccagctga	ttttgtcaca	agctccggat	gcagacatg	gagctcagga	tttgatgttt	7080
tcccctgttt	gatttttggt	ttgttttttg	gagaagaggg	tatcagatcc	tctggaagta	7140
gaattatagg	tggttacgag	tcattggaca	gggtgctggg	aaccaaggcc	agattctcta	7200
caaaagcaga	aagtgtctac	aactgtctcc	acctctctac	cagcccatgg	actcccagct	7260
tttttttttt	taagttctac	tactttaaca	gtcagcaact	tagtggtcac	ccttatgtac	7320
tgtctgaatg	tggtaacagg	cacataagtt	accattgtgt	agagtttgtt	tggtgagtc	7380
tctctctcgc	tacatctatt	tatttttttg	tacaaatgta	cacagataag	ataagaaaca	7440
ttctctatcc	ccttgggtcca	gatgttttta	ttgaacctca	tttcaatgtg	cacatctgga	7500
atccccatcc	tcattggcaaa	tttctggatt	tgataacca	gggagcacac	ctcttggaagc	7560
ccacatgggt	gcacttgtag	atcttgatct	ttgggtcaat	acctcattga	tggcagaatg	7620
gotcttgtct	tagtcagggg	ttctattctc	gcacaaaaca	tcattgacaa	gaagcaagtt	7680
ggggaggaaa	gggtttatcc	agcttatact	tcacatttgc	tgttcacac	caaagggaagt	7740
caggactgga	actcacacaa	ggcaggagtt	gatgcagagg	ccatggaggg	gtgctgctta	7800
ctggcttgtc	tcccctagtt	ttctcagctt	gtttctctat	agaacctatg	accaccagcc	7860
cagggaaggg	accacccaca	atgggtgtgg	ccctccttcc	ttgatcacta	attgagaaaa	7920
tgccttacag	ctggatctca	tggaggcaat	tctcgaagg	aggctccttt	ctctgtgatg	7980
actccagctg	tgtcaagttg	acacagaacc	agctggtaca	gcccctcttt	ttgccacat	8040

tctttgtggg	agccatcctg	ccagggttcaa	gttggaaaaa	aggatgagac	tctagacttt	8100
ttaaagtgttc	aaattgttaa	agactatgga	gactttttaa	attggactgg	ggagggggtg	8160
ctagagagat	ggcttagtgc	ttaagggcac	tgattgctct	tctggaggac	ctgggttcaa	8220
atcccagcac	ccacaccgca	gctcagaact	gtctacaact	ccaagatctg	acactctcac	8280
atagacaccc	atgcagacat	aacaccaatg	ccataacaat	aaaggtcaat	agattttttt	8340
aaaagaacat	ttgaagttag	actgggtgta	ttttaaagta	taacaatgtc	atgagacttt	8400
gaggaagggg	gtagaagttt	atggcgtgaa	tccatgtttg	ggcatcaggt	tgacaagaaa	8460
aggaactaaa	tatgcctgtg	gggtattatc	ttgcttatat	gaattgatgt	aggaaaccca	8520
tcttgatcac	tgctgaggcc	gttcctggac	tgtgtaagac	agggaagca	ggctgagtac	8580
tagcatgtat	ctatccctcc	ccctctctgg	attcgggtgag	acccaactcc	ttcaagctcc	8640
ctccgttctc	ccttctagcc	actgtggatt	gtggctaaaa	tctcaagctt	caataagccc	8700
tttctccctc	atgtcacttc	tttacagact	atttctctcat	ggcaacagaa	aagaagctat	8760
gatcccatgg	cagttagggc	agctcttgcc	aacacaaatc	agagcctttg	tctctcagct	8820
ctgggggtca	tgggtcctg	ctcttcacac	agatctcact	ggggaggctg	ggcttggacc	8880
ccactgccac	cttcctcctc	tttgccactt	cctcccatac	tgtgtcctcc	ttctgccaac	8940
agtgtcttca	caggggctgt	gtgccctgca	gagactctgc	cgttcttctc	ttggcaagac	9000
tgatgtgtgc	acctagcaca	tcccccatgc	cccaaagtgt	caectcctca	gagagcttgt	9060
ccccggtcta	aaaatagtca	tcagtgtctg	ggccccccac	cccacctcc	cacctgaacc	9120
ctgttgccctc	tccttgcttg	tcacacagta	gaaatccatt	gacctggtt	cctccagagg	9180
gaagaggctg	tcttttgcat	tgctcaatgg	aatggatcct	taggggacac	ttgggggtgt	9240
gagttgggga	tgtggtttgt	gtcctggggg	acctagcagg	agtcaggcga	gttgccctgtc	9300
agtagcttac	agaagagcaa	gaggacctga	ccctggccct	ttgatcttag	cctttgcccgg	9360
cagctgtgtg	agcaatccct	tggctttaag	ccagtccttc	tttcttcca	agagagagat	9420
ccctcagctg	ttgggcaagt	gggcaagagt	ggaaccatgc	ctggccagga	agatggccca	9480
tgggatccgg	gtcacttcag	caattcttcc	aaaagcagag	tcattggaaa	gatttatgtc	9540
ttgccattaa	caaagggaga	catttttttt	tttttttttt	tttttttttt	aatgaaaggc	9600
agagaagcaa	ggcttggcca	gtaggattag	acatggggaa	acagaaatga	gaaggaaaca	9660
actgccaatg	ctgttgggaa	tgaatttgga	atttggtctc	gagcttcctg	gcagcccaag	9720
taaaaaggga	agcctgatcg	gttacagagt	tcctctcatt	agcaagggaag	acgcctgctg	9780
gttccctcggg	ggagatgtaa	tttgttccag	ttttagattt	tcagggcaat	aaatcctgag	9840
tcaaattttct	cccttgagga	tgtgagagat	atcatcaatt	gatgggataa	ataatatgct	9900
tgtcttatag	taagtatcaa	aaagactctc	cagggaacctg	ggggcaccca	ccatgcagct	9960
cactgggtga	cagtttttgt	tgggtattct	tattttttaa	ttttactagt	atttatttat	10020
ttattttatt	atttatttat	ttattttatt	atttataaga	caaggtctct	ctctgtagca	10080
ctggctttcc	tggatggata	tctaactatt	catggatctc	acatggagtt	ttctcctga	10140
agagctaaga	ctattcataa	gtcacatctc	gatgacttca	tggggacaat	tttgcaagga	10200
gaggcaagag	aggaacctgg	cttctctcca	caacacactg	gtaaactctg	tgtgtgcagt	10260
atltgtggaa	gaaagcagca	gaaatccata	gttgctttgt	gggaaagggc	agctaactgg	10320
aagtggcaga	gaagacattg	tctgatggag	ggaggcaggc	tggcttgggt	ctcccctgct	10380
ccccaaactag	ctgtgtgatt	tgtggcatgt	tgaacatctc	tgagcatggt	gctcttgggt	10440
aaaaaaagcca	tacttgcttt	ggaagactgg	aagggaaaag	ggttagtgge	aaagcatggg	10500
atgtgtgtgc	gtggatgcca	tgcacctact	gacttttagct	ccatcctga	ggtcctcagg	10560
gaattccagg	gagcacctct	tcacccacat	ttctgggatt	ccggcccaac	ttagtgaag	10620
gcaagcttga	gacacacact	gaccttgctt	tggccacatg	tctctagggg	ggtcccaaga	10680
gctctgcca	atgggttcaga	ccggaggaaa	ctagtctcca	aggtctgctc	atcctccggg	10740
ccattggcca	tacctctctt	ttctgtgccc	tctttgtggg	ctgtctcagt	ttcttctgct	10800
cacccactct	ctgcagcagg	cactagtcc	tgcaggccct	gtgccaaccc	ctgggcactt	10860
gggtcttcac	tgtttgcctt	cctggcattg	ggtcctgtgg	attcctggcc	cacccctgat	10920
gttgtttcat	gtatgggtctc	ttcccctcat	aagggacaag	tggctaattc	ctcagcctct	10980
cttctgagc	ctgccctctc	ccaggtgtta	gttagaactt	gaggtagtcc	tacagacttc	11040
tgaactgggt	ggagccacaa	tgggatacac	agatccagggt	cttcctccat	atccacacaa	11100
cgacccgggtg	cttcagaaaag	ctacactgtg	gacacacagc	aagcacctag	ccatttccat	11160

agcattacag	ctgcttctgg	gctctttaca	tacaccctca	gggctcacc	tagagctggc	11220
agctggacct	ttacagcttt	gcaagaagag	gaaacagggt	catagctaca	gacactcaag	11280
gtcatactgc	aagtgcacaga	caagggagcc	gaagaagcgt	ttatgttacc	aagggtcaaga	11340
gaaataagag	aagttgcctc	ctgtcccagc	ccccatcagg	tctcctaagc	aaagcatcct	11400
caggagtact	tgaccttgga	aagccctctg	ggatcgccct	ggtggaagct	cctttccctg	11460
ggtaatcggc	tcccctgagg	tgacaccttc	ttgggactat	ctggaccttc	ctggactacc	11520
tggcactggg	caggccttcc	aagatctctt	actcaggtag	aatccctttt	ggcaacttcc	11580
agcctaaggt	gaggccctcc	ttcggccagg	gaaccacccc	tgcagcagcc	tccccttggg	11640
gtcattacaa	agaagggtct	ggggtagggt	tggtctgggt	ccctctgacc	actcacactt	11700
cctttaaaca	ccccagcctt	actacatccc	ttcactatct	ttcttgctgg	gtgccatttt	11760
gcagatggat	acaatgaggc	actaggcaag	ttaagttagg	acacagtccc	gttccagctt	11820
tgtattcaga	tttggtactg	tactttgac	tgaacagcaa	gtgacactca	cccttttagtc	11880
cccacgtaaa	tagttaattt	ttctcacagg	ccccagggcc	cctttccctt	ggtgttctat	11940
gggacgcatg	ttacccaact	tcagttgata	cttccaaacg	gctgagcaac	caaagggtta	12000
aaggggcccc	gaagaggacc	ctgtaagggt	taaaattata	aacgcattta	tgcacctctg	12060
actattttatt	gggttgtaga	ccgacaacgt	cgaagccggg	cagagccagg	aggcacccctc	12120
ggatgggctt	gcgcaaacgc	cacaactttc	tagcacgacc	cccagaaagt	atcccaggca	12180
caaagtggc	gcagcccgt	cctcctccgc	agcgtcgccc	tcccctggg	gcgcgcggcg	12240
gggtacgcgc	gagctcccgc	gcggggccgg	ctcgggggac	gcggggctca	gcgaggctcg	12300
gctccggccc	cctgaattgg	ggggtccgcg	tctgccccaa	acgcgccttt	cttccgtttt	12360
ccatgtcatt	tcctgtacta	ataagatggt	ggtcaaagca	ggggaggaga	gcagcagcgg	12420
agtcgcgcgc	gcgctgcgcg	tggcgctgaa	agtggccacc	gtggccatga	acgtgaacat	12480
ggcttcggaa	gacgatgggc	ggctcgccaa	ccggcgccgg	ggccgcggcg	aagagcgcgc	12540
ggggacactg	gggagcgggg	gcgcaggcag	gcgacggggc	acggaccgga	gcaccggaag	12600
cggggcgggt	ctcaagggtg	cccgggcccc	caggtcgtcg	ccaccgcccc	acgcgggcct	12660
cgggcggccc	agcctccgcg	tccttccctc	gcgcactcgc	ccgccttggt	ccactgtagc	12720
cctttccctg	gctccgcgcg	gcgctgacgg	acgcggccgc	cggccaatgg	gagcggctgt	12780
tcgggcccgg	cgttcgcaaa	gagagcgcgt	agacaggggg	cagggcgggg	cgagggcggg	12840
atgcagccgc	tggcctagtt	gcagggaccc	ggtcgccggt	gcttcggggc	cgggctgggg	12900
ggcttaggga	ccgcatgcct	ctctgtgacc	tgccgcgggc	ctggggcggc	agagggaggg	12960
cgtgcctttt	atctatttta	agtcttggtt	gcagcacgga	ctcttcggga	attcgccctt	13020
gagtgtcgtc	tccaccccc	acctctcat	tcccggctcc	caaggtaacta	tgtgatgcag	13080
aaactgcaga	aacttggtgg	ccaatgacct	tcctctgtca	aggccagcgt	gcccctaggca	13140
agtcgctgca	gggactactg	agcagccttg	ggctaataag	gcaaaaagtt	gctagtgtct	13200
tgagcccata	tgagttggag	ctcagacct	tagaatcagt	tgatgacct	gagaaggaaa	13260
gtctgtcttt	tgtttttttt	gaacctggct	tctgttgag	gacagccgtg	gtttgtgatt	13320
aagagtgate	agaaagaagc	acgcccagtc	ccttgtgcgt	ggggactgcg	agcagtgaag	13380
ggagccctct	tttcactctg	agaacctat	aaactttggg	agttttgtct	atctgaagca	13440
gaatagtctt	ccatgaagtg	tgattcccgt	ggcacccttg	tccccggaag	aggaaggcag	13500
ggactttcct	aggtcttggt	tgatggtgta	gggtgtatgg	gtcagaagtc	ccatatcccc	13560
ctcacccttg	gggagcggag	tatggtctct	gctgggaacc	ttctgggcct	atggcccaga	13620
ccccctgggt	tatttagttt	ccttgaaaag	acatcttcag	gatccctccc	acggggcttt	13680
ggattttgca	gggctgtagt	tgatctcttc	aaggggatto	tccttccctg	cagtgggtcc	13740
agtacagcct	gtgtgggagt	cagctgggag	agcattgaga	taggatcaat	taagtacctg	13800
gcccagggtc	agactcctgg	tttcagaatc	tagagctgtg	atcctggggg	atgctctgtg	13860
aaccattttg	ggaatcacga	ttgcacagac	ccagcctgct	ccacccagcc	cctaaactgac	13920
agtgcacct	aggagcagat	gctctcaggg	tgtggtacct	tctgagtacc	cgtctcaaaa	13980
atgaggaaca	cctgtccacg	gggcctttga	tctgtcatca	cggccatcac	ccccagcctg	14040
gagctttctg	gtccaaatgt	ttcttaggtt	ggtctctcga	ggtgtctgat	gagagtcctt	14100
catctggctt	actcttccact	tagattcaat	gtgggattat	cagaaaagct	gaaagaggca	14160
aagactattg	gaagaggaat	tggggggttg	gagttatgct	gccttctgtg	tctctcactt	14220
ggctttccctc	cataagcttc	ctccagggtt	gatctcagtg	tgtccctgccc	tgcctcatcc	14280

agtcagtcca	cccatctgca	agcccagggg	gctctcttta	gtgaatccaa	cccatcctgg	14340
cttcctaatt	tctccccact	agcacactgg	ggaacagtac	ttcctgttcc	caggacaact	14400
gctaggggtct	gagataaggc	acctgctctt	gccctgttcc	ccgtagtaca	attgggggtca	14460
cctcagtctc	cctagttcct	gctcccgcct	cccctccagt	ctgcctgggtg	cacttctgat	14520
aaaggatcaa	attgttgcta	actgtaaagc	ctataacatg	actctccctt	atcttcagcc	14580
tcattctcctg	cccttctcac	ctctctgttg	cccagcccag	cccagcctgc	cctggccagc	14640
ctctcttgga	tcctgacctt	ggatttatga	atgaatgaaa	gacagtggag	ggcagagtgg	14700
tgtggaaatg	tctgctggcc	tttacttttt	gtttttgttt	ttagatttat	tatgtgagca	14760
cacaatcact	caacaccgga	agagggcatg	ggatcccatt	acagatgggt	gtgagccacc	14820
atgtgggtgc	tagaaattga	actcaggacc	tctggaagag	cagtcagtac	tcttaacctc	14880
tgagccatct	ctccagcccc	tgtatctggg	ggctcttatt	gccctcctaa	aaatatttcc	14940
agcagctcca	ggtataccac	aggggtgcct	tcagtcctct	tattctaggt	caaggccatg	15000
tgactagctg	gtgagtctgg	gacatgagtt	gattgtggct	caaagcagtt	agctgtcaat	15060
gcaagactct	cctaagatct	ccttcttggt	gggtgtggcat	ctgatagcag	aattggaact	15120
gcttctgtgt	cattccatga	gcagtgtacc	ttggtgctcc	accataaatg	tgcagtacaa	15180
ctgagggata	gacctttgtt	gtttgaaacc	actgagaccc	aggttggtct	attcttacag	15240
gatagcttat	gtcacctcct	ccaggaagcc	tttctgggtt	aggctaaact	tgggttacag	15300
gtgtttctgg	tctcctctc	gtctccttgg	attcctgttg	ttacttagtg	atgatcttct	15360
atcgtcacca	gaccatgggt	cctgttttag	gtaagaggct	tgtgtctgag	agctgctggg	15420
tgaatgccct	ctgtgagtac	ttggccctga	ctgaggacag	gcagtgtgct	ccgagcctcc	15480
ctgagctgca	gttccagcag	gaaggtttca	gatgcagcag	taagtcactg	gtcagaggga	15540
gatgcaaagc	tcttgggtct	tgcaagggtc	tggacccagt	ggcactgagc	tccagagaa	15600
tatgataggc	aattccagga	gagatagagg	atgagatggg	agggcccgag	atctctgctg	15660
acataagggg	tgattcagtg	caagggtggg	aaagggaatg	tgggtatata	agctagtgtc	15720
cccagaggct	tatacctgtc	aggcactaag	cagctctgtc	ctgtataagt	cagtttctca	15780
agactgtgta	tcacctgagg	ccgtttactg	tctgaggcaa	gggcattcat	ttagctaaca	15840
gttttggaat	ctgaagggtc	aaacagcatg	gccccagctc	cagggagatg	tctttggagt	15900
gtttcattgt	gctggatagc	acagtggagg	ggcatgtgac	aggggagatc	acatggtaag	15960
acaacaaaag	agagagagag	agagagagag	agagagagag	agaaagagag	agagagagag	16020
agagagagag	agagagagag	aaagagaaac	ccagggaact	cctaataaggc	cccatgtctt	16080
caaactcctgc	ctcttttaac	atgtgaacca	ttatcactag	ggtacactca	agtgtctagc	16140
actccatact	acatccctgt	tctggagata	cccacaagtg	ttttacagat	cgggaaactg	16200
aggctctgag	aggtgggggtg	agaggtatag	agcttatggc	acagtcagga	tcagaaagtg	16260
ggatgtcacc	tgaaagcagc	cacttggagc	aaaggcagag	gaccctggga	gctccctgga	16320
tagggtecat	acacacacac	acacacacac	acacagacac	acacacacac	acacacacac	16380
acacacacac	acacacacac	ggagacaggg	gaggggggag	gcatcaatgt	ggagaaggga	16440
cctgtggcca	gccttggaga	ggcagtggct	ggtgagtgtg	tgtgggtgtg	agaggggtga	16500
aagggtatat	catagagcaa	tctctatgaa	agtgtcgtgt	ggggtgagtg	accgttcttg	16560
acacccctct	aatatagact	tctgagcaga	ggagtgcctg	gcccaggagt	acctgggagt	16620
ggggcttgag	ggaatgaagc	tggctggtaa	tctccacctc	tggctggagc	ctgcaagtc	16680
ttggaggccc	cagagcctca	tgttctcaga	gtggggccag	ggagggaggg	gcttctcggc	16740
agctggccca	ggggccatgg	cggaaaaaca	agccgtgcag	aaagaaaaaa	aaagccagaa	16800
gaaaaaaaaat	gtgtgttgtt	atttttaaaa	agcctatttc	ctattgcaga	tttgtatctg	16860
ctgataccaa	gggggctgat	gttcacacgc	acagtgtacc	tacactagtg	atatccctca	16920
gcccagcacc	ccaaaaaagg	attgcaggag	gggaagcctg	ggcctgggtg	tcactcctgc	16980
ctttgttcc	acctgaagct	tatatattct	tgcctgtcta	ggcttggggc	cacccagccc	17040
ttgtcttaca	caactcatag	gcccgcgcct	agctaggcac	caggaaagggt	ggtcataggg	17100
ttacagttaga	tggggaaggg	gagagctgtc	aatcccaact	aaggagcagt	ctcctcagtg	17160
gaggacacct	tcaggatggg	ctttgaaggga	tgggctggac	gcagaggaag	agagagaaag	17220
aagagaggcg	tctgagtggg	tcagggtctg	cgggcagcct	tggaaagatg	gtctgtgggt	17280
ggtgagtgtt	ggtgcaggag	ggtgggatgg	atatcagagc	acagtgtcct	ggtcctggcc	17340
ttgggcctgg	gctccctaga	gtactgcctc	cagttggctc	tggactggct	ctgtcttcag	17400

cagcaggggt	gccaaaacta	ctgccttctg	ggacactttc	ctgttttagaa	ttgcagcccg	17460
cacgattccc	tgtctcagct	tctgtctttc	tctctttatg	acagatctta	cgccttcctt	17520
acatgttttg	tctttctctc	cctcgctggt	cttagccctg	tatctggcac	ttggtttacc	17580
cctgtgaaca	gtgtagggtt	ttagtgattg	tggcctggaa	gctgtgtgaa	gttgtgaacg	17640
aatggggagc	gttcaccctt	cacaacctgc	gtataagggg	aaaataaaat	tggaaagtgtg	17700
gagtcattag	aagaacaaac	cgtcagctat	gcggattgtc	taatattgtg	agaccctctg	17760
cactgacatc	agccagtcac	actccagggc	tctgctaggg	cctttctgca	tgccgtctag	17820
tttaatctgc	aacagcttaa	gttaaataaa	cacatccatt	gaaaatttaa	cttgccagcc	17880
aggcagtggt	tgtgcattct	tttaatccca	gcacttggga	ggcagaggca	agcagatttc	17940
gaagttcaag	gccagcctgg	tctacagagt	gagttccagg	acagccaggg	ctacacagag	18000
aaaccctgtc	tcaaaaaaaa	aaaaaaaaga	aagaaaaaaa	agtgtttccc	cagcctaggg	18060
tttgagacac	cgaggctcag	caaggggaag	agacttcaat	gttggtaaac	tgtgcagctg	18120
ggacttgaag	ctgggtcacc	tggctcctgc	cttacctaac	ccccagttgc	cagctaggct	18180
ggagtagctg	tgttgcccaa	gaaggagttt	gtgcactggg	gggctgcagg	gagcccctga	18240
gggattttat	gagacaccgt	gaccagatcc	ttggtcaaga	gtgcacaggg	tgcataagaag	18300
tggttgcaga	agtgatagag	aatgaggagg	aagccagcag	aagagatgat	tacaggttgg	18360
agtggaacagg	taaaggctca	gctcaggtgg	gcagagaatc	ctagtgttcg	ttgtttgggt	18420
cgggaggact	tggatctggg	gcccggcagg	gagtggaag	ttgggaaggg	accaggttgg	18480
tggggttggc	attgtgtcct	gcagaggacc	tgtgccacct	tcctctgtga	accagggaag	18540
cgtgtcctgg	gcatggacac	aatcttgtat	tctttaccaa	ggacaacata	cctgaaaaga	18600
gatggacaga	ggccacaccc	tccggcactc	attccacaca	ctgaatgctg	cttgaggcct	18660
gtctggctcc	agtgtcctct	ggccacagag	ataaggggtg	cagtcccgcc	tcatattctg	18720
tggaaaaaaa	tccctttata	ttgttggtag	caaattgaag	tcactgctcc	ccaggagggg	18780
tcggctgctg	gaaggaaacat	gttttaagta	ccatggctct	tgacaacagt	gcttttcaca	18840
tccatttatg	gaacctgggc	tcagagaggt	tgattgagca	gctgaagggc	acacagctta	18900
gactctttcc	agtcaccccg	tgaagctac	atcacaaaagg	agggttttat	gtcttatcta	18960
ataattccca	gcaggcgact	ttggcgcttt	aaaaacgatt	tgataggtag	ggctctggca	19020
cagatgttgt	caggaccttt	ttccacctg	ggaacctcag	agtcagaaca	tggagtcaca	19080
gttggctaga	cccagagtct	cagatgaagt	gatgatgggg	gaggggagca	gacatgggca	19140
gctggcattc	tgctccttgg	catcagcttc	agagttagagt	agcagtggag	ggctgggttc	19200
tatctttcaa	tgagacacct	gaacctctgg	agctctctgt	ggcctgtgga	attttccctc	19260
ccctctgaca	cagaaggaaa	cccagcattc	tcttcagggt	tctgcctttt	ctcaaaacat	19320
ttatccaaag	tcccaaggca	ggctggctac	cccacaggac	accccattgt	gccattgaag	19380
aaactagtgt	cttagtcagg	ggttctattc	ctgcacaaaa	catcatgac	aagaagcaag	19440
ttggggagga	aagggtttat	tcagctgaca	cttccacatt	gctgttcac	accagaggaa	19500
gccaggactg	gaactcaagc	aggtcaggaa	gcaggagctg	atgcagaggg	cgtggaggga	19560
tgttaacttac	tggcttgcct	cccctggctt	gctcagcttg	ttttcttata	gaacccaaga	19620
ctaccagccc	aggaatggca	cccccacaaa	gggatccctc	cccccttgat	cactaattga	19680
gaaaatgccc	cacagctgga	tctcatggaa	gcatttccct	aactgaagct	cctttctctg	19740
tgataactcc	agcctgtgtg	tcaagttgac	acacaaaaac	acccagtaca	ctgaggctca	19800
gagagcagaa	cagacottat	aggaatcatt	tgcttttcag	aggccagact	ccaaatccag	19860
ccttctctctg	tgcccaagggt	tctccctcct	ggatgtattt	gtagtaacca	gtgtccatac	19920
tcaggaaaagg	gttgttagtg	aacacaggag	agcaggctac	gggtggtata	tgggtgtgact	19980
taacottgag	ctgagctggg	gtggctcatat	ctgagaagggt	agatgtggag	acacccccca	20040
cccccaacccc	acatacaatc	ccagagctcc	cagtctgtta	tctccccctt	tctagaactt	20100
tcttagaggg	aaaggatgag	ggctaagaaa	gggtcccgct	gccagcttcc	ctgggtgatg	20160
gagtggtggg	cttggggtag	aaaagagggt	gagtagaacc	tcagttccct	agcgaggggg	20220
cctgtttatga	gagagcttgt	catatggcag	cacatgggac	cgagctacag	tagacccagc	20280
attgtcattg	tctgcgatag	gggtgtgaact	ggaggggtggg	gagctattga	tttgacctgg	20340
ctcagaacctc	acaaccccag	cagagtcagg	gtgactgggt	ttgtatgtgt	cctgttatat	20400
ctgtgtgcct	gtaaaagccc	tgtgcagact	agcagggttc	caggaaagcaa	gtcagagaag	20460
ccaggggagg	tgatgtttgc	caagggttca	gtgtcccagc	cagaaggtgt	gatgaagagc	20520

gagaagcccc	ttacctcagg	aaaggggaaga	gacttgtgac	ttagtgcattg	agagaacagg	20580
actaatccct	cccaagaaat	actgagcccc	agtaccagcc	atgcctgcag	gaggcacatg	20640
cgtgtgcaca	gccctgccag	cctcagctgc	cccactgtgc	ccatgttatt	ggatctggct	20700
tgtaaaggtg	aaatggaagc	ccaaagaaga	agtgacccag	agtcacacag	ataggaaagg	20760
ctgagccgag	atcaccact	ctgggtcact	gctgggtggtg	gctgggttga	ggatctttgc	20820
acggggtgac	tgggtggcttt	cccgtttcac	ccctgagctg	cagggtagtg	aagcgaaaac	20880
atagaccatg	aagaaccgta	gcccaggcca	gtctggggca	tggaggactc	ttggcacagt	20940
gcagctgcat	tgtggggtgg	ttgggcctat	ctacctaaac	ctttgccatc	atatagttga	21000
ccagtattcc	cttgggggtct	gggaattcaa	gcacactgct	ggatggctct	ccttgggaagg	21060
caagggtgac	agcagactgg	cccatgccac	gctgggaatg	ctgggtggac	ctctgcccta	21120
ggtgagcagc	tgcgagttac	tgttctgcta	cagatccatc	aagggaagtga	gtgtcacagg	21180
acttgagaaa	caaactcaag	aagctcttac	tgcaccgtag	gtccccctg	ccattttcac	21240
tgtagtttgc	aaacgcattc	aaggggccact	gtttggaagc	tgaacaagg	tggttgaggt	21300
ttgttgttgt	tttgggggttt	tttgttttgt	gttgttttta	atcacaggta	gtttgagcca	21360
ttctggctcc	catcctgact	ataagtgaag	gcagggaagtg	tgaggattgg	cgttggcaat	21420
ggggaagaga	gtgcaggttc	acttcccaga	ggtaggggag	cagctgagca	cccctcagga	21480
aaagcagaag	tgtgtctgga	gaggggaggg	aagggcattt	gggcaactgag	aacagggtatg	21540
tgtaggttaag	cattgggaag	gccagaaaagc	cattgaatga	caagaggtct	tggcatttga	21600
gagaggggag	gggatgacct	tagagactgg	aagaacttgc	gtggagctac	tgaggaggtc	21660
ttgatcattc	cttagtagag	gtgagatgca	gcgagctttt	attttaggtt	gagaacttct	21720
gtccctgcag	caggaggctt	ggaacggtta	gaggagggac	aagaccaccc	tggggtgcgg	21780
tccttgtttt	tctcttgtct	gggaggctgt	ccttgcactc	agtggagtga	gttgccaggg	21840
aggagctatc	tgcccattct	atggggcagt	cctgggggtgg	tgagccagca	aggcccctag	21900
ggtgaggcca	cagcccctct	aggctgatct	ggtcctgagc	ttgtggttgc	tggctgtggg	21960
tgaagcttca	ttccccacc	tctaactacta	gagctgcagg	gtctgatctg	gagagcagcc	22020
agtggagtgg	ccagggttctt	tgcggcctgg	tggggctcgt	gcacggagga	gggaagctgg	22080
ggcttgttgt	agagactggg	gttaccctgg	tttgtggcct	accatctgga	gagctggggg	22140
cagaagggac	agtggcctgc	agttgtttcc	catgttgatt	tctgatggc	cagggtctgag	22200
gccagcattt	ctgccacacc	tggaagctag	gccagcctg	tgccacttca	agggagcaca	22260
gcgtaccgtg	acgaggttac	tccttcagct	ttctcctagg	ctcttttctg	agcttgaggg	22320
accacacctg	cccttggttt	ctgggaagaa	cccaagggtg	gcctgggcct	gcattgtggc	22380
acaagcccaa	ggaggggggc	tgcccaggag	ggaactgtga	gagcaccctt	cccactagca	22440
ccagcctctc	ccttctcctt	ggggccccgt	taagggtgac	cctggctcac	tctctctgtt	22500
aggctcccag	accagctggg	tcctgcagca	gccgcaggct	gggcagctgc	tgttcagggg	22560
agtctgcgct	cctgcagaat	ggggtggggc	agggcaggcc	ttcttcacct	gaccagctt	22620
gggcttcagg	ccaaccagcc	tggagtcact	gaggtgcctt	ggtttcgacg	tggctctgtt	22680
cacactggaa	gagtggcgt	ctgtgtgtgt	gtgtgagggg	gtgaggagca	gactctaggt	22740
cgttggtctc	aggtttcccc	ctgctgcctg	cccacccctga	agctggcagc	ttccctgggt	22800
aatgtcatgc	aggactgcct	aagtccctgtt	tctcaaaagg	catccaaaagc	ctgctcggca	22860
gggtccccc	atgtaatcct	cttaggttgc	accagggagt	cagggctcag	tcaagggtct	22920
ggtttgcctc	agccaccatt	tagtatgccc	cagtagcaac	tcccgcctcc	tctcttctct	22980
ttgctttgat	tgttttgaca	caggggtccaa	ccatgtagtc	ctggttgctc	tgaactctc	23040
taggttggtc	atcaggttgg	tctcaagttt	acaaggatct	gcctacctct	gcctagaaag	23100
aaagtcacat	gcccaccac	ccagcaagtc	taactgtctt	ggagcccagt	cattgcccac	23160
ttattttctt	ggtgccttgg	gtctccctag	agtgtgggct	tgacagcgcg	tgttaactga	23220
accactgttt	ttcacagagg	ggtgagctga	tcttaactta	ttcatagcca	gcctgggagt	23280
tgtgcacatt	accaggttgg	cagatggact	aactgaggt	cccaagagtt	cagtgaagat	23340
ggtaggtct	tgtgtgggta	cttgagggca	gagctgagga	tcaggtctac	tctctctggc	23400
tctctctct	acactggagt	tggcttgaag	cagtgtgtgc	atcagttatt	gactattaca	23460
cgttcctgac	ctgggggttta	gctgggttcg	gtctgttttg	ggttaggatt	cactggacag	23520
ttaggacct	tgcctgggta	cagtgtcacc	gtcaagtaact	tagcctatga	acacttcaga	23580
tgtttgtctg	cttttgcctc	tctccttttg	gaacttcacc	tttgaatcat	tcctttcaga	23640

tgcaccctct	atcctggaac	accccagaag	ctgggcagga	gctaggcage	ctctggtaag	23700
gaggctgagg	tcactgtgga	agcggggagg	gggccctggg	tccctgcttc	cctaaccggc	23760
tcggcagggg	cacccaatcc	agctgtccat	ggggcattag	acttttctct	gatgctccca	23820
gccttggtgt	aggtgattgt	attgctgtgg	ggtgaggtga	accaccattt	ccaaggcag	23880
atctttgtgt	cttttaaaat	ttgtgggtgt	gagttttaac	cctataaagg	tcatacaact	23940
atatattttgc	tgtaaaagtg	gaatgttgac	aaataaggcg	ttccttagca	gacggggcat	24000
tcctgactct	tccacaaggc	tagcatcaca	gtagccgtgg	tcctgcacag	ttctttctgg	24060
attcagtctt	gtagtgtgta	ggacacagac	agcgagagtt	gcctgtagta	ttgactattg	24120
ggtacattaa	ctttcaacat	tctacctaga	aaaatctggc	ttttctgtag	ggtgtgtgtg	24180
tgtgtgtgtg	tgtgtgctgt	cgtgtgtgtg	tgtgtgtgtg	tgtgtgcttg	cacttggttg	24240
gtgtgtgtat	acatgtgctg	gtgcatttat	agaccagagg	tcagcactgg	atattttcct	24300
cggtcacttt	ccacgttgag	atgcgtggct	gccagggtct	ctctctctct	ctctctctct	24360
ctccatgggg	cattataact	ttctctgate	tcccagcctt	gttgtaggtg	attgtatttg	24420
tgtgggggtga	ggtgaaccac	catttcccaa	ggcagatctt	tgtgtctttt	aaaatttgtg	24480
gtgctgagtt	ttaaccctat	aaaggtcata	caactatata	tttgctgtaa	aagtggaaatg	24540
ttgacaaata	aggcgttctt	tagcagacgg	ggcattcctg	actcttccac	aaggctagca	24600
tcacagtagc	cgtggtcctg	cacagttctt	tctggattca	gtcttgtagt	gtgtaggaca	24660
cagacagcga	gagttgcctg	tagtattgac	tattgggtac	attaactttc	aacattctac	24720
ctagaaaaat	ctggcttttc	tgtagggtgt	gtgtgtgtgt	gtgtgtgtgc	gcgcgcgcgc	24780
gtgcgtgcgt	gcgtgcatgc	gtgtgtgcgt	gcgtgcgtgc	gtgtgtgtgt	gtgtgtgtgt	24840
gtgtgtgtgt	gtgtgtgtgt	gcttgcaett	gctgggtgtg	tgtatacatg	tgtgtgtgtg	24900
tttatagacc	agaggtcagt	actggatatt	ttctctggtc	actttccacg	ttgtgatgcg	24960
tggctgccag	ggtctctctc	tctctctctc	tctctctctc	tctctctctc	tctctctctc	25020
tctctctctc	tctctctctc	cctggagctc	tctgatttgg	ctgggctgac	tggccagcaa	25080
gcccaggggac	actctctgcc	tcccgggatt	tcaggaaactc	actggtgcac	ctgacttatt	25140
tttaccatccc	tgggggttga	actctgggtcc	ttatgcacag	ctagcacttt	ccaactggg	25200
ccgtcttctct	gttctctctc	gccagccccc	ctctctacta	tgtagcccag	gctggcttcc	25260
agctcgttgg	tcttctctgc	tcagtgttct	gaatactgag	attatgggct	tgagccatca	25320
gagctagtct	ggctctgact	tcacatggag	acctaccatc	tttctaaaga	cactaatgca	25380
tagtgcttgg	aagtcattgt	tatttagcca	ttcccctacc	gatagacatg	gaggttagct	25440
atgattttat	tccagaactt	ccttgggctt	ctctggagtt	gctcttgctg	ggttatggga	25500
acctgctgtg	ctttaaaaat	gtattatcca	atatttaaaa	tgtgtccgtt	aagagttggg	25560
gaaggaccaa	acacctccca	tggacgcag	ttatcccagg	ctcacttctt	ttgagctgga	25620
tggaaaaatct	gcacccctga	cccagtgctc	tcctctctct	cagtctctct	tgtgtctctt	25680
gttctagtgg	gagccgcagg	gaggcgcggt	ggtgggtgggt	gtccagaaga	tcagcagcct	25740
ctggaatcgg	aatgcccagg	ctgaaatctt	gaccagctc	ctccaagagc	caccatttct	25800
agaactgtgg	cacctctgtg	gcttggctgt	atccactgtg	aaacagaaat	aacagcactc	25860
gcgtcattga	gcagccttga	gtgcaaaggg	ctggccaggc	aaagggtagg	cagccagcag	25920
tgtccctgta	gtgggggtcc	gcctctgcct	togttcccca	tgcctcact	gggcccagag	25980
cccacgtccc	tgggtgagcag	cctgggttgg	ctctcgcctt	tgtgacgcct	ccattccccc	26040
gtcagtgggt	gtcccagagg	acattgctgc	ctgggaatgc	aaagggtgat	cagatttcta	26100
ccctgcttgg	ccctgaagggt	tctggactgg	ggcctgcaga	gagggaaggt	ggctgtccctg	26160
gtcatttgcct	ctgaggagggt	ggccaggagc	atagcaccta	atgtaacccc	acacccgtgga	26220
cacatttact	ggtctctaat	ggggccgttg	tggctgtgga	tttgatctct	gttggccctgc	26280
atgggtgggca	agagaajaaa	gcagcgtggg	gccagacttg	ccccctggga	gttgggtgtc	26340
ttagcaccat	gttggccag	gcaagggttt	gcctcagcct	ttggagtaca	gcattctctt	26400
ggttccgtgt	tgagagaatg	gcttctgact	cttctctaca	gpcctgggca	gcagcagagt	26460
ctgcccctgoc	tgaccagctt	gccttgtgaa	acaggtgcct	cgttgtgtgg	cgttggccag	26520
gaggagagaa	accaagggtta	cagattctcta	aatgacagtc	tcaaagccac	ccacatgggt	26580
gaccactggc	agggtctggga	gtggtagcca	ggccatctgg	ctgtctatct	actcccttct	26640
tacaaggcca	cccaatgtga	tcattttggc	agaggggtgg	cagccggggc	gcctgcttag	26700
ccttgccctct	ccgggcagtg	gcgtgtggct	agcgagtga	gacagctggg	attacatttt	26760

aaaagcagag	gagtgtgtgg	ctggccccag	cccagccctc	cccagcacca	agctatacac	26820
cctcctggtg	gttgaaatgg	ccagctgaag	agtcgctgct	ccaaggtcct	ctgccctggt	26880
agagggagga	cactggggac	tcccaggga	gcacagaaaa	gccatcactg	ggccagtttt	26940
caacggggaa	aagtaagtct	ccgaaagact	agtgggctag	agggtgctgg	tgggtagtag	27000
ggcatctgcc	tgccccctct	gtccagctgc	tggctcgtgc	tggctcgtgc	tcacctcatt	27060
ctgaaggtag	tgacctggcc	ctgctcagag	tgaaggttgt	aagcatagtg	tcagagggat	27120
ttgtacacgg	gtttcacaca	tcgcttgtgt	actgagcgct	tacctatggc	tagatgatgt	27180
tcagtgcctt	gtgatgagcc	aactactcct	cagaataacc	catgatggcc	gctgttggtta	27240
gttccccatgt	gtagctggga	aagcctcacc	acgtagccca	gactggccgc	agattcacag	27300
ggcttctctt	gcctccgctt	cccaagtcct	ggagttacag	gtgaacttgg	ctagccccat	27360
cccagtcctt	tagcacaggc	tgtatgagca	agggagccat	cagactgtgg	aataagggct	27420
tttctgggag	gcagtgggtga	ctgggggggt	cttgccgggag	ttacgtggac	tctttgcacg	27480
ccagttttga	tgggaagagg	cccagcagtg	cagtttgaaa	gctctgtacc	cagggccccc	27540
gccacagcag	ctgtgctcac	tctgggagac	ctgcagcaga	gctgattgga	gctacatcct	27600
agcggggagg	tgtctctctt	cccagctggc	catacacacg	ctcagctgcc	agccccctga	27660
gtggaagtac	attctctctg	caagggcggc	tgtgggtgtt	actggtgctc	tgggaccaga	27720
gggacagagg	gcagatagtg	tgcccacctt	catacaggac	acttgtgttg	ccattgaact	27780
ctttcagcct	acagtgtctg	ctcccccccc	cacccccccg	aatccccctc	ccgccccaa	27840
cctccactga	gcctatctct	aacacagctc	aggaaggtct	ggtaacttac	ctgactcact	27900
cgccttcaga	tgaacccctc	cttcagtggc	tctgtgttct	ctcatgggtc	ccacaaatag	27960
aaacagctgc	ctagatgaga	gctataccca	gggtctctac	tgggtctggt	tagttctatg	28020
agtgcacacg	ccacataggc	ccctgtatgc	agggaaatct	tcattccctc	agccacgttt	28080
actctgcaca	aatagcccaa	tagcaggatc	tctacaatgg	tattcacact	tgtctgtggg	28140
ccttttgtaa	gccccactcc	ctgggtcagt	aagggatctc	ccccacctt	gccagtggat	28200
agaacatgga	gggcttgctg	ttgggtctga	gactggaaaa	cacatagtag	gtatgagggc	28260
tgccagtgtc	cccttgctac	actcacctga	gggctggaga	tcaaggggtc	tgggttcaga	28320
tctgtctctg	tcgcatccct	gtagttgccc	aagtatcctc	tcggagctga	ctctccctca	28380
cctgtgaact	cggagggcag	cagaatgggc	agctcactgg	aaccacaggc	tgtctgcttg	28440
ctggagggtc	gctgccaggg	agggaaaca	gagggaacta	ggaaagctct	agagcccgtg	28500
ccaacagccc	aggaagcaga	ggccagaaat	agaagagccc	ggagacaggg	gctccagatg	28560
gccaggctgc	cctctgccaa	cccagaggc	caacccaagc	ccatgtacag	tcctctctcc	28620
aggggctggt	cacagcataa	attactcctt	ggcagggcag	actaatttta	ccttcgtggt	28680
tttcatgatt	catttcccat	tggggacctt	gtgagagaaa	tggaaaaggac	tctgctagtt	28740
gggtgctagc	atgctgtgtc	cgtgtggggg	tcccttgggc	tgtcatgatt	tgggtataaat	28800
ggtgcagtgg	atcccagggc	tgggaatccat	cagggttttg	tttgtttgtt	tgtttgtttg	28860
tttgttttac	atagcttatg	ttggcttctg	tggtagagta	aggaggttga	tgggaagggtg	28920
tttgtcactt	gctgggtccag	tgtgtgtagt	ttttggatgc	cgcccccccc	accccatccc	28980
acccctacat	tgtagtccaa	gaaagccaga	gcaagcaggt	aatgaaggaa	atgaagccca	29040
gtgcgcctcat	tgttcagaca	gggagagtgg	ggctcagcgc	ctaagtggaa	gaggteccag	29100
gtccacagca	gcacagcccg	acttgtctca	ttttataaa	ggacaatggg	aggtctctct	29160
agttctgata	acagcagggc	gtgtccctct	gccacttgcc	ttcccccatt	ctaacttgagc	29220
tgtcctctgc	agggacctgg	ctgcctgtgc	tctcatttcc	ggcctcctgt	acctctggga	29280
gcacaagatg	tcctccactt	gagctccag	tctgcccggc	tcagggtagg	gagcagtcba	29340
gagggaagtgc	agctggcagc	tggatgcata	ccaggctctc	agtctgccat	acaggtccac	29400
agctcggagg	ccaccacagg	aaactccag	gctggctgcc	tggctgcctg	ccttcagagc	29460
tggggaggct	ggctccatct	agcagggtct	ccacttgctt	ccagccacac	gccactgtgt	29520
ggagccacct	ggcgaatgtg	accagcctgt	ctgaactgtg	agagccagaca	cccaggtctt	29580
tcttgagggt	tcttctgttt	ccttaaaaacc	ggcagaaaaga	aaagttgaga	tagcaacagc	29640
tgcagtggtg	ccacctacat	atacttccct	ccttccctgt	gcctcagggt	ggagcaggtt	29700
cgacagtgat	tttcttgggt	gacccctctc	ggaagacctg	tcttggacag	aatcccttcc	29760
tctcttagtt	gcagttccat	acctgtctca	caggggtgcc	acctgagaat	agtagcagga	29820
gggtaggctt	tgtgtgtgta	agattgcata	tggctgtgtg	gcagcttttg	tcaagccact	29880

taacctctct	gaacttccat	ctgaaaagcg	aaggaaaact	gtttgcaagg	tcgtggactt	29940
tatggaatca	ccacctgcca	gaaactcagc	cgtcacgcaa	aaatggaatg	catgtggctg	30000
agctcgaggt	ccaagaggat	cctgagagct	tcaggcagca	ttggctccag	gggctcgtac	30060
agtgtcttca	ggacaccgtc	cagccttctc	tgttttcttc	tgtactggct	ctcctcacag	30120
gcagccactg	gggtgggggt	gtgggtgggg	gtgaggcaca	agcctggcag	caggcacagc	30180
tgttctgcat	ccttttctct	tcgcagtggg	ctcctgggac	actccacccc	ttcatccatt	30240
ggctgggtct	cctacctgtc	cacctgagg	caataggaag	gaaggtgcac	taatcactga	30300
ggactgctga	tccaggctct	gactggttgg	tcttcacaat	cacacaccta	agtgtcccca	30360
agacaccaga	cagtcgggtg	cagaaaaaat	aagggtcagt	aaggcattcc	cataggcata	30420
gctgctgacc	catgaggaca	ggaacctgt	tctctggatt	cccagcaggt	aggacagtgc	30480
tggcatgcag	aactgcagga	ggacaggcca	caagggaggg	aatgggtgcc	ctccactggg	30540
tttagaagac	accccaactc	gccagggcac	tgtcacatta	gagcgtcccc	cctcccacct	30600
ccttcttgga	ggcccgtag	gaaggtcacc	tccctggcag	tgtcactgct	ctgcagagcc	30660
tcttcttct	gagcttgtca	gtccaccag	tgcagtcccc	caaccgcagt	ctgtcccaca	30720
ggtgtgacaa	gcagacatta	cagtggttag	tgcctgtgtc	accatacata	cgcaggttta	30780
ttagccgaca	tcaccccccc	ttggtctctt	tcactctgtt	gcttcagttag	ctcccacgc	30840
tgttctctct	tttgaagcag	agctcctgct	ctgtcaccca	taggaaggga	acagtggagg	30900
gtgagatcat	gtgtagagta	ggtgcttggc	aaagggcag	gccaaagccag	gatctctgcc	30960
aactcatgga	tctgtacgtg	agcccttcca	ccttcgtgga	aaaactgctt	actctggtgt	31020
ttatacatga	ctaccacaca	cacacacaca	cacacacaca	cacacacaca	agagtcatag	31080
aagaatccca	ggaccatagt	gtctgtacta	gagtacaaa	gatcagaaca	actttattgc	31140
cagcagctcc	ggcacagta	ggctccccct	gcattggcaga	taactgcatt	ggcaggacag	31200
gtagatcacc	ctgccctcaa	atcacaggga	agaatgtgat	gagcatacag	tgggtcgtct	31260
cgtaggggaa	gagcccagg	ttgagggctc	agcaccttcc	agggcaaaaca	gagaagccaa	31320
tgtctgtctt	ctggaagcca	tcaggtacat	gtcacaagtc	cccttgacct	actttattac	31380
tatgtgaccc	gcggcagaaa	tggtttgggg	gcagagaaac	aggaagccct	tacagccaga	31440
gatgctctgt	ggagatgttg	caaggatgcc	cagaactcag	gogggcagcc	ctaccccata	31500
ttgagcatgc	acttgacacg	tcccctaaac	caggcatgtt	agacagactg	tgggtcagga	31560
agtcgggggt	ggagcctagg	gttctgttta	accagcgagt	tcacctctca	cctcacttca	31620
ccagctgtcc	agagccgctc	ggtacatggc	agtacatctg	agtatcagag	ccattctata	31680
tgtgctgcca	atggcatcaa	gtatttgaaa	atggatttct	ttgtctatgt	gtgtgtacgt	31740
gtgtgtgtgt	gtgtgtgtgt	gggtgcacac	gtgccatggg	gtatgtgtgg	aggtcagaag	31800
ataacttgag	tcagtcacac	ccttcacata	tgttatgcct	ggggattgag	ctcaagtcac	31860
caggcttggc	aagaaggacc	tgaagggttt	ttaaactcatt	gagctctgag	tacatttcac	31920
acagcaacct	taccaagtag	atgctgcccc	tgtccacagg	cccagagaga	ttcaggcgcc	31980
tccccagtcg	cactacaata	acttgaagca	tcattggaatg	ctcttctctat	cagccattct	32040
gtttcagggtc	ttgctgtcac	catggaggag	gcctgtgcac	ccagagccctg	ttgagtgtcc	32100
actttgcacc	aagccctgtt	ctggctgcag	gggacacagc	aagggaacaga	atagataagc	32160
atcttcacctt	cctggagttc	acattctagt	tggagagaga	ccggggccgat	cttataaata	32220
aataccatgc	acattgggtg	gataacgggt	tggctggcag	aaagtacagc	aggcaggaga	32280
gaaagagcaa	gggttactag	ttaattgtaga	atgcccagag	atttgacacc	agtccaagcc	32340
tggagggagg	ggcaagccat	ggcctctctc	tggaaagagc	actccttaca	gaggaaatag	32400
ccaccacaaa	gtcatgtggg	agggagggca	ggtccttggg	gotatgctag	gggtagtggg	32460
agaaagaacc	atgagtgcag	aggttcgagg	aaatgggtat	ggtgtcctgt	ataatctgct	32520
ctgcattgaga	tggtcactgt	gcagggttgg	aagcaagggg	ccccatgggt	atagatttgc	32580
cctgactgtg	ggtgcacagt	aggggcacac	tctggggagg	ctgttatgtg	tgagttagctg	32640
agttcaggaa	gagtcaactg	gaaggagttag	cctccttctt	tagttaaagt	gootgatgtg	32700
ttgatgtgac	ggagctccca	aaccttaggg	aagctcggag	aaaaggagag	aaatgtgtgg	32760
atggaagccc	acgtgttaact	tctacctggt	tctgtgggtg	gagatcagat	cacactatgt	32820
agcaggggct	gcctttaggt	tccagatctg	gggtgaagggt	gtgaggtatc	acatccaggt	32880
tctgtgcacc	ctgaagaggc	cccgttacca	ggtccctctc	cttagagtgc	ccagtgcaaa	32940
ctcccaaccc	agagagcatg	catctgagtt	ggtttccaa	gccagacggg	cgagctgaag	33000

ccaccaggaa	caagcctagt	cagaaggggc	cccgtacctg	cagtggggca	gggcaaagca	33060
aggggtgggtg	acagctgac	agagcgggtga	ccctgtcttc	agaggcttca	gagagagaga	33120
gagagagaga	gagagagaga	gagaagcttc	caggcagtga	agagggtgggc	tggctttccc	33180
atctgtctgac	cggcactcca	gctttgcccc	tcgaattccc	cccttccagt	gtgtccagta	33240
ccaaacagtt	ctcagatcct	ccagcctcac	ctgtccacac	tggctttcca	ggctcagcac	33300
agactccaga	ggactggggc	tcagtctcac	gggacgtcca	cttcagacta	tttttttcag	33360
atcctaagtg	tctatgcttc	agaccactgt	agatcaaggc	tccgagcctt	cctcagtctc	33420
tctccatcat	cccctggggt	gatttacaga	atgaaggaaa	tgggtgtttct	caccattcct	33480
ggcttataga	aaaggcccaa	gccagacact	gccagataga	agagctgcat	agggaatggg	33540
gtgtgcatgc	atgtgcgtgc	gtgcgtgtgt	gtgtgtgtgt	ctgtgtgcgt	gtgtgtgata	33600
cgtagcacat	acatctgtgc	tctgggatgc	acatgtgaag	actggggggt	gacgtccacc	33660
cccattttctg	tccaccttcc	ttttgagaca	gggtttcttg	ttgaacctgc	agctcactgt	33720
ttcagcagac	tggatagcct	gcaagtccct	aagctctgtc	tgtccctccc	cccacaggac	33780
cccatactcg	gattgggtgt	gggtgctggg	aactgaactc	agtctctgtg	ctagcccagc	33840
gctttactca	ctgagcactt	ccccaaagccc	atattttaaa	aaattgttta	gttttagtttt	33900
ctggctctgg	tcatggatc	cagtgcctctg	tgcataccag	gcaagcactc	tgcctcagaa	33960
tcatacccca	gccatgtgaa	gtagggttta	atctccagcc	cctgttcccc	agtttcagag	34020
ctcagtgggt	gaggctgaaa	gctctagcac	tggccccacc	ctgaagctct	ctggagtcca	34080
cagaagtaaa	ctcaggtgct	ggccaaaggg	cttctgagga	ataacaagag	atattccctt	34140
tagagagtgt	gccagaaacc	aaggacaagg	tcaaatatgt	ttcttattgt	acccatgtcc	34200
ttccgctctg	ttggctggct	tcatggatgt	gccctgcaaa	gccttctgca	gagcttggct	34260
gccttggtctg	ccttggtctgc	gggctttctc	actgaagtca	caaaataaac	acctttcact	34320
cactttgact	accccaaagt	gggtcagctg	tcagctgcag	aggagagaaa	tcgtgtgtaa	34380
tgatattcct	taaacaccag	gttcttgctg	gtagggatgg	cgcacgcctt	aaatcccagc	34440
actttggaag	cagaggctgc	cagatctctg	tgagttcgag	gccagcctgg	tgtacagaat	34500
gagttttagg	acagccagga	ctacacagaa	aaactctttc	ttgaaaacta	aagccaaacc	34560
agagagctgg	ctggagagat	ggctcaggga	ttaagagcac	tggccgctct	tccagaggac	34620
ccaggtccaa	ttcccagcac	ccacatgaca	gctcacaact	ccagctccag	gggacccagt	34680
accttcactc	acgaatgcag	gcaaaacacc	aattcacata	aaataaaaaag	taaaaccaat	34740
cataaaaaag	aaaagaaaag	aaagaaaaaa	aggccaggct	tcatgtccag	tcgccggtaa	34800
gaccatggag	gtgtaccatt	gattgacacg	gtggctcctg	cttctggggc	tgagagtggc	34860
ccagctgggtg	cttgaaggga	gctgtgacac	ctgagtctgt	caaacacagt	gggatgcaag	34920
cccacaaaaa	tagtgccact	ctgaaacagc	ttcttcaggg	cttgttctga	cctctgcctt	34980
tctgagtcc	accaacagaa	gagaacatgt	ggtacatttc	agaagtccct	ccagagggag	35040
caccttagga	ggagcacagt	tcgacaggcc	caaacagttg	ggttccacag	caggaagccc	35100
tgagctgact	agagctcagt	tccacagttg	cctatgggtg	ttcctgcctt	tgggtccctt	35160
gccttaggtc	ttgccttttg	atgctagttc	atacaagtac	acacacacac	acacacacac	35220
acacottaca	gaagcatgac	aagagatact	tccacaaata	tacctatgga	accagcacc	35280
aggctgagaa	atcaaacctg	attttagcac	cctaggactc	ttgttttcta	cctattccag	35340
ttggctccaa	gaataactct	gaacttgacc	cctactttac	ttcctctctg	agatgtgact	35400
acatacctga	tagaaacaat	ttgagggagg	aaggctgtat	tttggtctat	ggtccggggg	35460
atatagacca	ttgtggtgag	aaggggtggg	gtctggaaac	ctacctgtga	tagatggggg	35520
gaggcttatt	cacctctcag	tgacaggcca	tgtctgcagag	agaacctagt	gggaacgggt	35580
aagccccgac	tttgggttct	cctctacctg	ctggaaacct	gtgcaaaagg	ttcccacacc	35640
ttcccacaaa	agtgtcagca	ggggggaact	acttctcaaa	ccctgagcct	gggaggggaa	35700
tgggtatgga	aacagtttca	cactacagct	gtctgtgggt	tgttccctct	ctttatataa	35760
atcaaatccc	acaggggtta	cggttgagcc	atagtgttca	tatagtgtgt	attagaatac	35820
tccccttccc	gcattgcatt	ctatccattg	attggtttta	ttttaaaaaa	tgaagctgaa	35880
tacattggta	tatgtttgtc	atctcagctc	aggaggtgga	ggcaggagga	tcaagaatcc	35940
aaagctagac	tgggttttag	cagactgtct	ccaaaacaa	aaaacaatca	aaaccaggaa	36000
gtttgtctgag	ccatgcattg	ttcaggagga	ggcaggggag	agtgagtgtg	catggtccct	36060
tagggccttt	gcttaggatg	ctgaccgctc	gccagcctgt	tgatctgatt	ggcacatagc	36120

ctgagtgtgg	tgtgaagggg	gggaatgcat	gcagcgggca	ggcaaattctt	tcagagcagg	36180
accataagac	aagcccagg	atgcttcatg	gtgaacatac	caggctgcct	tgctccattg	36240
gtgggcccct	cacccatcac	gtatgtgcc	agtccccct	ttgtactcag	tttctaacct	36300
ggatcccctcc	ctttgccacc	ccggggttca	atctaagagt	ctgttgacag	atgggaagaa	36360
ttcctttaaa	gcagcggttc	tcaatctgtg	gctgtggatt	gcaatccctt	cgtggatcaa	36420
aggacccttt	cacaggggtt	gcttaagatc	atcctacatg	tcagacattt	atgttaggac	36480
tgcagttatg	aagcaacagt	ggaaacagtt	ttatggttgg	gggtcaccac	aacgtgagta	36540
actgtattaa	agtgtgcagt	gttagaaagg	ctgagaagca	ctgctttaag	tgcttaattc	36600
tctgagcccc	tccctctttt	cctccctttc	ccccctctcc	cctccccatc	ttccccctcc	36660
tccctctcccc	tctcatgctg	aggtcaaacc	tcatgtgggt	taccagatc	ctccaatggg	36720
attactttgt	gtctctttgt	gccactcctg	ggctcactcc	acactgtata	gcagtttttag	36780
actcacgcga	aaacagttcc	atgtccctgc	tccctcgtca	cccaccacaa	gagcatgtgt	36840
gttattttcac	ttgggtgacct	tacagcgaga	acattgtcaa	agtcactgg	catgggagtc	36900
cctcttggtta	ttggcgtttct	ctgattccaa	acaaatgggt	gactgggtgc	tgatatgtgt	36960
ctgctatcag	agtgtctgtc	acttccctgag	cagtctagtc	ctctgctgct	ttcccccccc	37020
cattactgtc	cccacagggtg	tccctttctca	gaatgtcaca	cagtggtagc	cgtgcaatac	37080
acaaattttcc	tcagtgaccg	tctccactct	cctttcatgt	gtggagcacg	tggtgtgtgt	37140
tgagagtcgc	ccagcagatt	gtgaactgcc	atccagcctt	ctagcccgtg	ctctgtgccca	37200
ggttctctct	ggtttggaag	tttaaagcac	ttctgtgtct	tggtgagcat	aaatcccaat	37260
gtaggggaca	gctctgcaaa	tccgggtttg	cttgagccat	cgctgtacg	attgcttccct	37320
attgcttccct	tacagcggat	tccatagggg	agatctctca	tgagagaga	gctggccctt	37380
ggattgagga	ctcaccctgt	agaaacactc	tcccacgaat	gtcacactcc	agccccctaac	37440
atttgagtaa	aaacttctcg	ctctgggcag	tcttcaaagg	cttgaggagt	ttaaggtttt	37500
gtgtgtttac	taatggagat	gtacaatgga	aagggtctgc	taggactaag	aaagatcccc	37560
atccgagggtc	gagttcaagc	cgcgaaagga	tgagaactct	gatgatgagt	gatgtctgcc	37620
atgcgtgtca	cattggagac	tataggagac	tatagggtgt	catcatctct	gacaccacaga	37680
gcccagtggt	taataagatt	ttacactttt	ccactgagca	ttttagtgtt	tatcacttct	37740
tttataaaat	gttcaaaaatt	tttctattga	gttgagcatc	gtgatagctg	gaggagaagt	37800
atttttctat	tgagtgtagt	aactgctgtg	aaagctcttca	tccaagtgtc	aaaggtagca	37860
tttagggctt	cacacatgat	tggcaaaaagg	cctacttctg	acctgtatcc	tcaggccaac	37920
tccaaccccc	cctttttgtt	ttgtttttgtt	ttgtttttgtt	ttgtttttgtt	ttgtttttttt	37980
cgagacagg	tttctctgta	tagccctgac	tgctctggaa	ctcactctgt	agaccaggct	38040
ggccttgaac	tcagaaattt	gcctgcctct	gcctctgcct	cccaagtgtc	gggattaagg	38100
gcgtgcgcca	ccactgcctg	gctcccttta	atgcgtatac	ttttctttct	ttctttcttt	38160
cttttgagg	catgatctta	ctaagtttcc	atggctggcc	ttgcacttgc	gactctcctg	38220
tcaacctccc	aagcagctgg	gcttggttta	tgatactttt	aaatgacact	aacatttaac	38280
taacattaga	actactgtta	ataaagaaac	cctgtctcaa	aaaaatgtaa	gaactactgt	38340
taataaagta	tttactagg	actaaacatt	gtgtgcgcaa	acctgacctg	cgaagcagaa	38400
atgtgcagat	actcagtcct	tctaaacaaa	tgggaagcca	agatgacaa	tggtcatttg	38460
tcaaagcctg	gggtgtgacca	tgctgggtatt	gggtgacagaa	tgatgtctgg	tgtaaaaactc	38520
ccataaaaatt	aactggtttg	tagtggtctca	caactttaat	ccagtagctt	gggaggcaga	38580
ggcagatgtg	agttcaaggc	cagcctgatt	tacatagtga	atttcaggac	agtcaggact	38640
atgtagaagg	atcttgtctc	taaaagcagg	gtggagtcct	atgaattctg	taacatgttt	38700
taatagattt	atctcagcat	gatgcactct	agtaattctg	gcttgtgagg	aagacaggag	38760
gattatgaat	tagccagact	cttatcttag	tgagtcttgg	aactcactat	gtagactagg	38820
ctggctctaga	actcagagag	ttctacttct	gcctccccag	tgcttggatt	aaaggtgggc	38880
tccactgcac	ctggctcaga	ctcttaaaaa	agttaggta	aggttttttt	tttttttttt	38940
aatgcctttt	gcattgcctta	ggagcagcta	cctgcatttg	caggcgtatc	ttacaggtaa	39000
attcaaggaa	tattgatcat	tctccccata	gatagtgtct	gctgggcaca	taagctcaac	39060
cattcaggag	ctggagagat	ggctcagggg	ttaagagcat	ttgctactct	tacagagtat	39120
ccaagtgtgg	ttcttaggac	ccacactggg	tgaaccacag	ctgcctgtaa	ctccagttcc	39180
aggggatttg	atgctctctt	ctggcctcca	tgaacacaca	catttacaca	taccttggtta	39240

tatgtgtgta	cacatctata	catacatgtg	cacacatata	caaataaaat	ataatttttaa	39300
attcagctat	tccttctaata	acttcccaaa	tgtccccgct	cccgtcccg	tgggtctattg	39360
attaacacca	ttaattgatg	gggtacagat	taggagggtt	aatcgggagg	attgccacaa	39420
gtttgagact	acatagtga	accctgtctt	aaaagaaaat	gacttttcaa	gaaggggaaa	39480
ctgaggctta	gaacataggt	agaaaatgtc	tcaatttatg	gcacaaacaa	gaccaagcgc	39540
ccagggtatac	atctgacctt	gagtccttta	gatattcaag	gggacaggca	gggtggatac	39600
caaacagcac	tgcaaactct	ccggggggcca	gacttaagga	agccaagtgg	gcacagcctc	39660
ctgatgcccc	agtctcctgg	ctgccaggca	atctgggggtc	ctggctctct	gccaaagggtg	39720
aaaatgagct	gcaggcctct	ggccactctc	tgccccctct	cttgggtttg	catctcattg	39780
ctggagggttc	caccaggctt	aatctctgcg	agtgcagact	cggaggagcc	agactggagg	39840
gatcagtgcc	agcagcttgg	agagcttcat	gaggctgccc	tctgcttggg	caaggagaa	39900
agaagaagtg	gcttttagag	cctcacctgg	cctgtgcctt	cccctgatat	ggagtcgggt	39960
gagggtcacc	agccccaagc	ggtagtccac	ttagtcacat	catattctga	cgcattgtcc	40020
tgtaagcctt	ccattgagat	agggtctatt	tcagagtaaa	ggttcctgtg	acccacttca	40080
ggcttcaaac	gcacagcact	cagacaagtg	aggcttggcc	atggcctcca	ggcagctggg	40140
cttttctgag	aatggagagg	cctgagtaga	tgtcagggac	agtgaagaca	ggggcaccct	40200
ttttgttttg	ttttccggga	agctgtccca	tcactaacca	tctaacaaca	ggttattata	40260
attcattggg	tgccacatgg	aagagcatag	aagacagggc	aggctcgtca	tatctgacac	40320
tctgtttcct	aagcatccta	ctttgtacaa	gttgattaac	tattccttgt	ctgaaaaccc	40380
aaatccaatg	tatgtcaaaa	tctgacatgt	tcaacagata	atcaagtttt	ggagcttttg	40440
gatttggttaa	agagtatgcc	agcatcctag	tgccaggaca	ctgccaggtc	tgaaacactt	40500
ttgggtggaac	atctcagata	aaagtcattg	tacctgagt	tgattctgta	agaaaaacgt	40560
gaagaaccac	atgcaaaatg	cacatgtgaa	agccacaggc	ctctctactc	ggagggtggag	40620
gtgctgtctg	gtggctgttt	gttttggtt	gtctatgtgt	ctctctctagt	tcttagccat	40680
gtgtctcttt	ccctcccatt	gggtgccctt	gtctctgggc	agccaatgaa	atacagccct	40740
tgtaaagccc	tggtactcag	ctctccaagt	cctccccctca	gtctgtatcc	caattctccc	40800
ataagatgct	ctggcagcta	tgatcatttt	tgacttaccc	atgaagactc	cttaaggctt	40860
agcacacggc	cttctgatgt	ggctgctgat	gctgtcatct	acaatgttca	tacccacagc	40920
cttgaacaaa	gcagagtctg	gagagatggc	acagaggctc	acgctgccc	gtcatgggac	40980
tcgcattcac	tccccaccat	ccacaccagg	tgactcacaa	acacctacaa	ttccagctgc	41040
aagggatctc	acaacctctc	tgatctccat	gggcgcctcc	actgacatgt	acagacagac	41100
agacctaaat	caataaaaaag	ctttaaacac	tattgttaagt	ttattttatc	ttatctgatg	41160
tgtatgagt	ttttgcatgc	atgtatgtct	gcacaccaca	tgcatgcttg	gtgcccacag	41220
aggccagaag	agggtgtttg	attctctgga	actggagtta	cagatgggtg	tgagctgccc	41280
gccaaagtgc	agggatcaaa	actgggtttg	ttggaagagc	aacaaaactg	ctcagctatc	41340
tcttcagccc	ctattaaaaa	acatgtaaaa	agaaaagaaa	atctcatgat	gtcttaagta	41400
aggttacggt	tttgtgttag	ccatccttgc	ctgcacgtga	gggtgtgaa	caaggacgta	41460
ctgtaagaat	tgggtcccca	gctctataat	ctgagtcagc	tgtgctgtgc	actgctctag	41520
cctctcaaat	tcagccttgt	catctttctt	gacacgcacc	ttgcctgtgc	atatggggaa	41580
ggagagtcaa	acatagccca	caaggctctt	cctctctgaag	tctcttgtac	agctgagtgt	41640
ctgtggagcc	ggtgggacac	aggcgacaca	gtgcattttg	acctgggcca	tttgatcacc	41700
agttcattgg	gcagatgcaa	gtctctgccc	ggtgggatgg	gcccagaggc	ggggtgggat	41760
gggcccagaga	ccagggtgag	acacagcaga	tgtctcagagt	gcagaactga	aggatgtcca	41820
ctctatgccc	tcacagactc	cctgggaatg	gaggaggctc	cttccatttc	atgctccagt	41880
ccttgtgtgc	tttcccagcc	tccaagcatt	tcttgggccc	cgttacaggt	gctgggacac	41940
cagtggtaag	cctgagagcc	tgggaaaagc	atttgtcccg	ccttctggga	gcttacagtt	42000
gcaagctagc	taaaggccgt	tttatatata	tatatatgta	tatatagtgt	gggggggggg	42060
gtcccaggca	ttgtggctgg	tggagttagc	agggtccaga	gaaggggaa	actacaaaat	42120
gcccccaagc	tgtgtggtcc	cagaaaagcca	gggtttgtca	gtgattgact	aaaaaagaga	42180
aactcaacaa	cctagtggag	agcattctaa	gctgcacttg	ttgggtgctgc	ctgggtgtgt	42240
ttctgattag	ctgtcttttt	tcttcgtttc	ttatttttat	tcattttacc	ttatctatct	42300
atctatgtat	ttttgagtca	gggtctcact	atgtaattct	ggctgtcctg	gaacttgcca	42360

tgtagaccag	gctggcttca	aactcacaga	gatctgtctg	cctctgcctc	ctgaactctg	42420
gggttaaagg	tgtgcaccac	tataagtggc	tcctgatcag	ctttctatcc	tggggctgta	42480
gcctcttcca	catttatctc	tgccctgcc	accaccaca	tctgatggaa	tctgtcattg	42540
gacacatttc	attggaagga	gagtggactc	ctacaaactg	tgctctgacc	tccacacatt	42600
catgaccccc	cccccccat	acacacacac	attagataga	cttactgaga	gaaatgaaaa	42660
ggtagggaag	tcagacaacc	tttghtaagac	tctggggagc	cttagcttac	cagggacccc	42720
ctgagtgaag	ctcgtggagt	cgggatcgat	gcaaaaacca	agagaaattt	attgttccag	42780
tgcactgggg	tcaccccaga	cccaaaggag	ggcgggcgac	tcccagcacc	agttctgctg	42840
cgttttatat	ggtttccagg	ggcagaatag	agcatcagca	actaggcaca	atatgattgg	42900
tggaacagtg	catcctttaa	actgattggt	ttttaggga	taggtgacaa	ggacttccct	42960
tgtctgaagg	tgagcaatgg	tcagtccctgc	cgaatgtgtc	ccccaccgc	agttccctgc	43020
ctgtgtgtgg	tctgagaaat	gctactagta	gtagccctcta	ccttctggaa	ggcgaggagt	43080
tttccccgac	cttcccaaaa	ttcttgagtt	gaccttttca	ccttcattat	caagcttgcc	43140
aaccatggcc	aagtaccaca	gactggccac	atggctttac	ttcccaagtt	ctgaagggtta	43200
agaggtcaaa	ggccaagggt	cactcagcca	gatgagggtc	gtctacattg	cagatgggac	43260
ttttctactg	tatcctcaca	ggcagagagc	cctgtgtcac	ctttctttat	gaggttacct	43320
gacctgaac	acctatccag	tctttgcctc	ctctccaaat	agtgtcatta	ggatttagga	43380
cttgaatgta	ggggagcgac	aaagggttcg	ggctcctaac	acctgctcca	tgctgogca	43440
gcgtcattga	gacttgaact	ctcagagtga	aggctgttcc	tagacgcagt	tgtgggactc	43500
ctgcccttgc	aactgcattc	cagtcagctt	gcgtgacctt	gggccagtc	cttctcagcc	43560
ttcagccctt	cgcacccctt	ttctcccgcg	gtggcaaggg	agccatcgcc	aaggccggga	43620
ggtggagcaa	aacgcggcgc	tcgcaccocg	ggcgtgacag	gtggtgcagg	gcgcgggctg	43680
cggtggccga	ggtgggtgtc	ggcggcgcg	ctgcggaggc	ggctgcgggc	cgcgcgcgac	43740
catccgcgcg	tgaacccgga	agaagagtgt	cccggggtct	ggcatgagga	ccgtggggag	43800
gggctgcagc	caggttctgt	ggtcagggcg	gtaagcatgc	tctggggaca	ctccccctg	43860
gagagagagg	tgggcttgga	gtcagggcag	ggctagccct	ggctggcaca	caaccagctc	43920
cccagccccg	cctgtacctg	ctgtgagctg	cccaaggggc	ccggcttctt	cctcctggca	43980
gccccctcgt	tggggcctca	cagccagcca	tgcaagctc	atttcagctt	tccactccct	44040
cgggcccagt	tggatttggt	gagtcacctt	cctgcccact	ttggcagttt	gtcaggttct	44100
tgggggttcc	ttgtgtcctt	tggacgtagt	gtccgggctg	tgtttctcag	gcctgcctcc	44160
tggcctgagc	tgccccctgg	ccttgacccc	atgaggctgg	tggctccagt	cgtccccagg	44220
accagcccgg	gatagaaatg	gcatttctct	ttggccaggc	tacagctggt	tttgttgtct	44280
gagttctcaa	ggcttctctt	tgggatggca	gggagggtaa	ccagactcct	agggacccct	44340
gctctctctc	ccagccactc	acccctcttc	ccctgtctct	ttcatcttct	tctgtgtctg	44400
gtccccctc	ccttgccctg	ccccaggaca	gaatgactga	gaacatgaag	gagtgtctgg	44460
cccacaccaa	ggcggtctgta	ggggacatgg	tgacagtagt	gaagacagag	gtctgtctac	44520
cactccggga	ccaggagtat	ggccagccct	ggtgaggccc	ctgggtgggt	acttgaggag	44580
gggaggtggg	tggccatgct	gggctgggtt	gggacccagg	ggatgttctt	actggatgct	44640
agccttccct	gttgagacagt	tctggggtoa	gaggtgagca	ggcaactagac	ggatgggggc	44700
agagtttccc	agagcccaac	tctcaggaat	tcccgcgctc	cactgtctct	acagtgaaca	44760
gccagcctgt	tggagttttt	ttgcccctct	gcaactctct	gcctcctgga	caggtgtcca	44820
gtctgtcttc	cccttgggtt	gtttctgatg	gcttccattg	tttctttttt	ttttttttgt	44880
gggccccttg	ccggagcagc	tctcggagac	tggagccatc	ttccatggaa	gttgaaccca	44940
agaaactgaa	gggaaagcgt	gacctcattg	tgaacaaaag	cttccaaaca	gtggacttct	45000
ggtgtaagta	gagctgaggc	tctctgggtg	gctctctcct	tcaccccata	tcccatctgc	45060
ccctgggtca	ttgtgccaga	gtcgcagtga	gaggcatcca	cctggggcac	accagggtct	45120
agcagcctgt	ccttgctctt	agagtccaca	gatgaaccca	aacccaattt	ttttcaaat	45180
tgagacagaa	gccttgacat	tatagcatgt	ccttcagtc	tccaggaggt	aagtatcatg	45240
gtttattgct	tctgatggac	ctgggactgc	agctagctgg	gcagatctag	ggttggtagg	45300
cctgagctac	atgcacagta	ttttctactg	atcctcagtg	gccccaggtt	gtttccccag	45360
ccagtaaggc	ggcggttctt	atatcccacc	tctactgaac	tttccctctt	cttcacatcc	45420
ctccagctctg	tgagtcctgc	caagagtact	tctgtggatga	atgcccgaac	cacggtcccc	45480

ccgtgtttgt	gtctgacacg	ccagtgcctg	tgggcatccc	agatcgggca	gccctcacca	45540
ttcctcaggg	catggaggtg	gtaaaggatg	ctggcgggga	gagcgacgtg	cggtgtataa	45600
acgaggtcat	ccccaaaggg	cacatctttg	gcccctatga	ggggcagatc	tctacccaag	45660
acaagtcagc	tggcttcttc	tcatggctgg	tgagtgtccc	ctgtaccatt	cattccctgg	45720
gagaggtcga	caagggactc	ggagggaaac	agtcaggtga	taatttatgc	gtgcacaagt	45780
gcttttctgt	gcacatgtgg	atgacgggtc	ttgctaccgt	cttgtccagc	catgtggctt	45840
ttgtcctttg	gtgtccaaag	gccatgctga	agggacccca	cctcagcagc	aagcaggtga	45900
gtcatcacca	ggtaataggt	aaggctgatt	ttcccaagtg	tcctcctgtg	tgggtgtgta	45960
tgcatgtggc	tgtccattca	gtggtattta	caaagacctc	agccaacccg	tcttctaaaa	46020
tggaagacct	atagctcggg	gctgcaaggt	catagaacat	gacgttctgc	tcagaaaatg	46080
ggcaggcaag	ggactggacg	gaaggccttc	caagacaggc	acggttccca	ttgttgagag	46140
tgagcagcga	acaagcatgt	agatgtgatt	gttgccacca	gagggggagc	acagcatact	46200
ttgggacatt	atgtttgtgg	tacctggagc	ctgcattggg	aatgtcagcc	agctttactg	46260
tctacagtct	aatggccttg	agtgtatcac	ttttttctct	gggcctgttt	tgcgacacag	46320
gctaataaga	gctgcggtga	agataactcc	aggtggcctg	gcaccgttct	tgggaatgtg	46380
atttctcagt	cactaaagca	tttatcattg	cttgatgtta	ctgctgttgg	cctggttgaa	46440
ggctgagttc	cttcagaata	agaattggag	aatgaggtgc	agctggtctt	gggaggggat	46500
agaccctcat	tccatgtaga	caggagagat	ggagaagaag	tcggctgtgg	tagcaatgga	46560
gatcagcaga	gaggatggcg	gggactgtgc	gtgattaatt	tcccaagaat	gaggactcag	46620
ggaagctggt	gatgtggcca	agcagaaatg	tggctgagtc	aggctgtggc	acagaaagtc	46680
ttgatctcgg	ggaggaggtt	ggggagaagg	ttcatgtcag	atgagcatgg	tgatggcttg	46740
aattgaagtc	tggaggtggg	tgactctgag	agattcagga	gggagagccc	tgaggctggt	46800
gggacagcta	gggtgccaaa	gtgaggagta	ggggctttcg	aaaacataag	gagggagtc	46860
taagactgct	cacgggggag	agatggacag	ttggtggggc	agtggagtgg	taaaggaaaag	46920
cagcgggacc	atttatacca	catgtatgoc	tctccctgag	catctccttg	gtgccaggcc	46980
cggggagcag	gccagatcag	gtgtaaatec	taccttcatt	ggcaggagat	ggagctaacc	47040
aaagaataat	gaaaatgcac	ataaaaaccac	gggcaggggt	tgatgagata	ggaagctagg	47100
aggaagtga	gaaccagggg	aatccatgtg	aacagaggac	agaagaggcc	gacagatgct	47160
gagctggggg	tgaaggaaga	acatggctcc	ctgtattagt	taggggttct	cacaataact	47220
gaatccatcc	atccatccat	ccatccatcc	atccatccgt	ctatctatct	atctatctat	47280
ctatctatct	atctctctat	ctatctatct	atctatcttt	ctatgattta	ttagactgac	47340
tgactatcta	tctatctatc	tatctatcta	tctatctatc	tatctacctc	cctacctaca	47400
tacctacctc	tctacgattt	attagaacga	cctacagaat	gtggtccagc	taatccaaca	47460
gtggctgtgt	gtgaatggaa	ggaaggctcc	atgaatcaag	cagttgttca	ttccatgagg	47520
ctggatgtct	cagctggtct	tcaggataca	cgagaatctt	gaagtagcag	gtcccaatgc	47580
cagtgaagga	atgaacttga	tagcaaggca	agagcaagca	ggcaagaagc	aaaaatctcc	47640
ctacttccat	atccttctat	aggcttctgg	cccagatta	gaggtgtgac	ttccaccttc	47700
aaagatccag	attagaagtg	gatccccaat	ccatcccata	attagctctc	aagcaatggc	47760
accattgcat	acactagcaa	gcctttgttg	caaggacggg	gatatagctg	tcccttgtga	47820
gactaggcca	gggcctagca	aacacagaag	tggatactca	cagtcaacta	ttggatggat	47880
cacaggggcc	ccaatggagg	agctagagaa	agtatccaa	gagctaaaga	gatctgcaac	47940
cctatcggag	gaacaacatt	atgaactaac	cagtacccca	gagctcttga	ctctagctgc	48000
atatgtatca	aaagatgacc	tagtcggcca	tcactggaaa	gagaggccca	ttggctcaggc	48060
aaacgttata	tgccccagta	cagggggaatg	ccaggggccaa	aaaatgagaa	tgggttgggta	48120
ggggagtggg	ggggacgact	tttgggatatg	cattggaaat	gtaattgaag	aaaatacgtc	48180
ataaaaaaaaa	aaaaaiaaaa	aaaagcagag	agaatatcca	aagtaacaaa	gttaaaattg	48240
aatgggtggg	gtggggggga	ggggcaccaac	gacagatata	aaggaaattgt	gatgacacac	48300
tttattcaat	aaaatttgaa	aaaaaaaaaaa	agaagtggat	ccccacgtca	agttaagcaa	48360
aaaaaaaaaaa	aaaaaaaaaac	aaaacaaaaa	aaaaaiaaaa	aaaaaaaaaca	aaaaacaaaa	48420
aacaaaaaaaa	aacaaaatcc	tttgacggag	tccccctcag	ttcttggggt	ttacttaatt	48480
ccagatgcag	tcaagttgac	aattaagaat	agccatcaca	tcaccaaagc	acacattggg	48540
gaggggggat	cagatcagta	gatctgcttg	agcagaggcc	ctgtgggtggg	aaggggcaca	48600

cagcatatgt	gaacagcaaa	cgtggggctg	gagaaggcct	ggaggtgggg	actgggaggg	48660
gtcttctgca	gactttactc	tgtgaaggat	gctgggaagt	ttccaggtaa	ttgtttcaag	48720
taatgatgaa	tgaccagata	acttttgttt	ctttatttat	ttgcttggct	gtgtgtatat	48780
gtgttcaggg	tggatgatgtg	tgtgtgtgtg	tgtttatgtg	tgtgtctaata	tattctctcc	48840
cttatgtttg	agacagggtc	tctctctaaa	cctggagctc	accaattcag	ctagactggg	48900
tgaccaataa	acctccaggg	atccccgtac	ctccccagca	ctgggatagt	atgtgcacgc	48960
cacggcattg	ggcttttacc	tgcgatgtgg	ggatcagctc	agttcttcac	gattacacag	49020
caaacactgt	ccactgagtc	atgtccccag	ccccacatta	atgtcttgaa	aggacaacat	49080
tggctgcagc	cttttagagct	gactggggca	gagatgtggc	actgggttagg	aagccggtag	49140
tcaatgtaat	tccaaacctt	caatggaggt	ggcgtgggtg	gagacaggga	cagagagaca	49200
gagactgaag	gatcgacttg	aggacgagat	gggggatgaa	ggccagtcag	gatggcatgg	49260
cttttagtaag	ggacccaagt	atcaaggcca	gcttaggtcc	tccctgcctc	ccaccgagca	49320
cttctgaaat	gaggattgct	ggatggagag	aaggtggaga	gtgactggga	ttctgggtgt	49380
ggccttgctg	aatggcgatg	tcagcagaca	ggtggatgta	ccgtcctggc	ccatgcagca	49440
ggagtgtaga	gatgtgactt	atgttcgtag	gtggctagt	gaagtggatg	gggcctagcc	49500
tcaatgtcaa	gggacttcaa	aagttaacag	tccagaagga	agcatgggag	agagcggcac	49560
tgggccaagg	caggccagga	gagcgatctg	cccacatagc	aagaagagag	gtgtacaaag	49620
gctctagcct	ctcatgctaa	tggggagccc	agggtgacag	agctcagaag	tgtctattga	49680
tattgtagcc	acaaaagcat	tgtgacatca	gaggaacggt	aggtccaacc	tgggatcttg	49740
agctcctatg	gtctttggcc	atgctgacag	ctcaggggtg	gggcatgcta	ctggtaccta	49800
aagacagagg	ctgggggcca	ggtttaagt	gtttgtactg	cctagaactg	cagcctacaa	49860
caaaggctta	tcaggagccc	cttgcaggag	agtacaggag	ctgggcacct	gattagcata	49920
gaggtggcct	gtagaacaac	ttctcagaat	ttggctagag	ctcagaagt	aaaaagagag	49980
ataagagagg	tggatggtga	ttagagggtg	aggggagctg	gtactagcaa	gaaagcattc	50040
ttagggccag	caggaagagg	ctttggaaag	gagcaggagg	atgaggtgag	aacaccatcc	50100
atacatgeat	ttgtagcacc	tctgtctgga	aggttctgca	gaagccgctg	agtatggaaa	50160
ggggcggctc	agcacatttt	ccatcaccta	agggacaacc	cagggtaggt	gggtgtggta	50220
gactaattaa	ttgctctttg	aagattaata	gtgttcattg	ccaagttgac	aagatctgga	50280
gtcacctagg	aaacaagt	ccaggagatt	gttgagcctg	tggggagaat	tgtcttgata	50340
ggttgatgga	tgtgggaaga	cccatgggtg	gtggcattcc	ctagacaggg	atgcttgact	50400
gtatacagtg	gagtgaggtg	agcataggca	ctcatccctc	tttcttctgg	attgcaggtg	50460
taatgcaacc	agctacctag	tgctcctgcc	catgtggctt	ccctgttatg	atagacactg	50520
gggctatgag	ccaaatcacc	ctttcttctt	cttttttttt	tttttaattt	tttaaaagac	50580
cattttat	tatttatatg	tataactgt	caactgtctt	agacacccta	gaagagggca	50640
tcagatctca	ttacagatgg	ttatgagcaa	ccatgtgggt	gctgagattt	gaactcagga	50700
cctctagaag	agcagtcagt	gctcttaacc	gctgagccat	ctctccagcc	cccacccttt	50760
cttcttaagt	tgggtttgtc	agtattttat	ggcaggaatg	agattaagat	aggtcccaca	50820
gtgtccccat	tcttgtcctc	agagctgggtg	actgtctttc	ggtggcagaa	ggtgctagca	50880
tctgtgggta	ccatgaacat	cttgagtcag	ggagatgac	ttaggttttc	tggctgggtt	50940
caagataatt	acaaaattct	tccatggagg	aagcatcaga	gtcaaatcag	atgtggggaa	51000
aatgggtttct	gttgacctcc	cagaaatgga	agggactggg	aagtgttagg	tctcaaagcc	51060
tctctcttcc	tctctggctc	tcttccccat	cctttctcat	ggttggtctc	agtctgcacc	51120
cttccggatg	cccctgcctg	tgtctctcct	tgtatgtata	ataaagacct	cagcccttta	51180
ggagcaccct	gtcctctctg	gtcttctcat	ccaggaggca	ggcatgctgg	ctccctattg	51240
acgtgacaag	acaggttctt	gatcagaaga	ggtctgacct	gcagaattgt	aaaagaatac	51300
attggctttg	ttcagagaga	gagagaggga	gagagggaga	aggagagtta	gttcagcaat	51360
aggagactta	gactaacaga	ggaggcttgt	gggtcagggc	tatctgctac	aatcagtgct	51420
ttcttcattt	gtctccacta	cattgatcaa	ggcagtaact	tttgctgact	ctgtagccag	51480
cttttgcttg	gatttccctg	gctgccttcc	ctgagtactg	ccacacctgc	ccagctttca	51540
cagagtctgg	ggacatgaac	tccacctgtg	cagcaagcac	tttatccacc	aagccccagt	51600
aatctcttta	ttttccccgt	gtttgtccct	gactttgatt	actgttacca	ccacagggag	51660
ctttgccaga	aggaagattt	tatttactta	gacaatgagt	atctgtcact	gtctagtjac	51720

aagtagtgat	aactgatatt	gcatagtcaa	ctcttgtgtg	acactaccta	cctcaatgtc	51780
aggaaacaca	gccaatcgct	atthttctgta	atgggcaaga	tgagaaacta	tcccgttttg	51840
tggatcgag	tgtctcttgc	aaggacagat	gtccttgaga	tggtgctaaa	cccagaatgt	51900
acgcaggtca	cctcctctcc	ccagcatccc	agctttgtgt	gtgacacagt	gctctgtgca	51960
ggatcagttg	tcccatgtga	ctgcaggggt	gccaggatgt	gactcgggtg	tgttggaac	52020
ccttctaaag	cacgggtatg	tacttcgcat	cctcatccat	tgtttgattt	ttccccctgg	52080
ccatttcagc	ttgcactggg	gtcacctgca	gggcaggcag	gtccttctag	gtttgctcaa	52140
ggttcttcc	gtcccaagcc	atccttgtca	gtcccacctc	ctacacttcc	aaagggtctac	52200
tgtaggacct	gatgatgccc	tttgcttccc	tgggagagcc	tactcctcac	cctgaggaag	52260
gggtaggtgg	ttagtactga	tactgggtcc	gtgggatcag	gtgccccctc	caggcagaac	52320
cataggaccc	ttaaggggga	gcactgtctg	acatggccac	agggtctctg	acagttcaga	52380
tcctggttct	tcaactggct	ggaagtacgg	ctttgagttt	gtcatctgtt	ctctcagtgg	52440
tctagcttca	acgtgtgaca	caagcacaca	gcctctggaa	gacagaaacc	cagggagcta	52500
gaagtattga	tgttcagtga	gcctggcgcc	tgtggtgatg	ggcagggtgac	aggctgcttt	52560
gattgtcctt	ggctaacttc	atgtggcttc	aggaagagag	agagaagatg	aagtatgtaa	52620
gattggatat	aagggtctggg	tttgtgtgaa	caggcctcat	ttaacacatc	tccagggcca	52680
cacacacaca	gacacacaca	cacacacaca	catatgcaat	atthttatag	tgtgtgtgtg	52740
tgtgcgttta	tggcaatgaa	tacacagaag	gaaagaaaat	ccaccccaca	gcagtccaac	52800
agttctagga	agcatcagaa	atcacccaat	gctaagaggc	ggaggcagag	agtctggcag	52860
ttgccgaggg	ctgagttaca	gggaagcaaa	gcaccaagtg	tctctcatgt	aagacgacag	52920
tcctcgaggt	cactgtagag	ctcagggcct	ggaacagtgt	tgtgtcaggg	ctgccaaagg	52980
cagtgtggat	aattcatgga	gtcacaggaa	caatgggtcta	aggcagaggt	aggtcgggca	53040
tgggttgggc	tgatgtatca	aggtgtgcac	ttcttcccag	actcctctag	ggcagactgt	53100
tacaagtga	ctcccagtgg	gtgtgacaga	cccctggaag	ttgactttac	aaacacaaat	53160
tttatcaaca	gcagtcttag	aacagtaaaa	ggaagtcttc	atggcttcat	tggaacgatg	53220
gtaatagact	aaacctctga	aactgtgaag	aagccccaat	taaatggttt	tttcataaga	53280
tttgcttgg	tcgtgggtatc	tctttacagc	aatagaacag	agactaagac	ggtagttggg	53340
accgaggcct	aggggtgtcgg	tgtgacaggc	acgaccatat	tgtttgctgg	aggatataga	53400
agactttggg	cctttgggct	aggagagcgt	ttggatgctt	tacgtggggc	ttactggggc	53460
actgtgaggg	cctagatcaa	gaagttttat	agggaaagca	tattaccaag	tgtcctagaa	53520
acctttcctg	taagatgttg	gcaaagattg	tagctgctgt	tatcattgtc	ctaaaaatcc	53580
gcctaagggt	aagttgaaga	gttttggtat	aatggcactg	gcagaggaga	ttgtgaatct	53640
tcactgtatg	tatgagttat	tagtaatcac	tctggcagac	ccataaggag	aaggagcaaa	53700
ctgtacaacc	agaaatccaa	aatatgcagt	ttgaggagag	agggagcagc	aggaaacgtg	53760
atactggagc	caggatctgt	gtcagggggg	aacaatgtgt	aaagaaaaac	ccgatgctaa	53820
aagtaataaa	gggcttggtg	acctgaggat	aggaccccat	ccagccaagg	tcctaacgga	53880
tgagaaggaa	ccagtggcaa	gcgtcaacag	tgaagggaag	catccacaac	agagctgata	53940
cactgccatt	ctgagaaggg	ccaagtgcct	gccccagcaa	gcagcagaac	ttggcagctt	54000
tggctacata	gttctggctt	tagagttcag	gatacaagaa	aggggttgta	gaatctcctt	54060
tcatggctac	ggaaagttgc	caaggccagg	catatgtgag	gggtatccct	acatggaggc	54120
ctagagagac	cattgtgtgt	agctgtgaag	gtgaagcctg	ggtttgctt	ggagatcccc	54180
aagggtgttg	ttatgtcaga	gtcctgggag	acttgcagag	gagagctgct	aacctcttag	54240
gttgggaccc	agcctaagag	aagtgtgttg	aggtggacaa	agctgaaggg	atthtagagat	54300
ctgaagacca	ttttgacctc	agccaaggag	atgcagaatt	tggagtccat	tctgtctgagc	54360
tgtgttcctg	ttttggccca	gtatthcccc	cccaccccaa	ctgcttccct	ggctcccttt	54420
tgcaatgata	atgtatgtta	tatgccattg	tatgctgga	gtaggtgatc	tgtttttgat	54480
tttggtttta	caggggggta	cagttaagag	atggcatjaa	tctcagaaga	gactttgtac	54540
ttttaaaaga	gtgttaagac	tgtgatagac	tatgggaatt	tttgaagttg	gactgagtg	54600
atthttgtat	taagatatgg	ctataaacct	atggggggcc	agggagtggg	atgtgtgtgt	54660
ttgaataaga	atggccccag	gatcatatat	ttgaatgcat	agtcaccagg	aagtggcacc	54720
atthgaaagg	acaggagaga	ttaggaagtg	tggcttgttg	gagaaagggg	gtgggctttg	54780
aggthttcaa	agccctgcca	agcccagcat	ggctctctct	gtctgcctat	ggattaggat	54840

atagctctca	gctacagcat	ccctgtcag	catgccacca	tgctccccc	cttgatgatg	54900
atgtgttaaa	cctctgaagc	cataagccct	cagttaaagt	ctttctttca	caagagttgc	54960
ctagattgtg	gtgtctcttc	aaagcagtag	aacagggact	aagattttcta	agtcttcacc	55020
attttgtccc	taaagcttgt	cactctagct	gctcctctga	tggcatgtac	tgaacaagct	55080
tgaataaaga	aaatcctggg	gctggagaga	cggctcaggg	gttaagagca	ctgactgctc	55140
ttccagagga	cctgagttca	attcccagca	accacatggt	ggctcacagc	catctgtaat	55200
gggatccgat	gcctctctct	ggtgtgtatg	aagacagcaa	cagtgtagtc	atataaataa	55260
aataaatctt	taaaaagaaa	gaaagaaaat	cctaaatggc	agtaaagcta	agccaggaac	55320
gtcccccagg	aagccttttg	gcctgcgcca	gccaccatag	aggccacaga	ggctttgggt	55380
tgcttccgtg	tccttcccag	cacagttaga	tccttccgct	ccactgaagc	tctaaggaac	55440
caaaaggtaa	ttagtaccac	tctgtgttga	ctcgcataca	ccacgcctca	acctagaatt	55500
aacaacaggg	aattttcctc	aatggcagtc	atagtcatga	tgctaatacc	caccattagc	55560
cttttgctat	gctcaaggct	gcaaggctgc	aaggctgcaa	ggtggtgtta	ccgagacaac	55620
ttgccggagg	ccacacatgc	atgtcctaaa	ctgtggagggt	gtgacatagg	tgtgcagtgt	55680
tggtgtgagg	acggaactcc	cgggtatact	agggcatctg	tcacctggga	actggtggag	55740
gagggggcct	gagctgcaac	acatatgacc	tgaatatctt	aaacatgtgt	acttgtgtgc	55800
acatttgaat	tattcattta	ctttatgtat	atgagtatac	cgtagctgtc	ttcatacaga	55860
agagggcagt	ggatccctta	cagattttgt	gattgtctgg	aattgaactc	aagaccttag	55920
gaagaataat	cagagctctt	aaccactgag	ccatctctcc	agccctctta	tctctgtttt	55980
gaaacaaggt	ttctcaactga	cctgggtgtg	cagattggct	agcctggctg	gccagcaagc	56040
cccagagatc	ttctgtccat	ttccacagca	ttaggattac	aaggttatat	cacgatgtcc	56100
agctctttta	tttgggttct	gaatgggaga	gaaagaaaaa	aaaaaagaag	gaaggaagga	56160
aggaaggaag	gaaggaagga	aggaaggaag	gaaggaagga	aagaggaaag	ggtgtgtgct	56220
cctgggaatg	gtagaggaga	aaatgtagat	aaaagggaga	gcagaggcag	ggacatccag	56280
gagagtccag	agtgggtatt	gccagactga	gctggatcat	gaggggagag	ggaagaggag	56340
agccaggtac	aacagctagg	agatccaaaa	gaggagaggt	aaattaaaaat	ggctggatta	56400
tacaaggaag	gacaacccag	cccacgagct	ggagaactca	tgggagagga	tggggtatgc	56460
cagccatacc	ctgtaccagg	tagggactga	gggatgctgg	gagagcccaa	ctgccagggt	56520
agcatggata	tgtaagcag	gcacctcagc	agcttgtcca	agggttggag	actagcagaa	56580
ctcaggtctt	cacgcttgaa	tggcaaacat	gataccaatg	aggtcatctt	cccagcaccc	56640
tgtgactgag	aagtataaag	cacaaatgca	gatcaggctc	atacagataa	gtgaggagca	56700
ccccacttct	ctctcctcct	ctagcaataa	agcggagtgt	aatgtttggc	gagtgcagcc	56760
tgggtcccca	tagctctgtg	ctggtgacca	cctgctggta	atagtggagc	atacatgctg	56820
gattgtggag	tgtcaatgct	cttgatacac	ctggctcaca	gctcctttgc	ccgtagctgt	56880
gacagaatac	gtgagccagt	caaggtaaga	cctgggctca	cagttccagt	ggtttccagt	56940
cctgactctg	actgctttgc	tttgtggttg	ctgtgaggca	gtacattatg	ccagggagca	57000
ccaggaagca	agttgctaca	ccatgtggcc	cctagaaaaga	gactggcctt	ccataagcac	57060
cttgaaggtc	atgtctttgt	gacccaagac	ctcccagtag	gccctacctc	ataaaggttc	57120
catcactttc	caattacact	gagggccaag	ttactaaact	agggctcttt	ggggacaatc	57180
caggtctaat	atacacagat	gtaatgcagt	caagctgcac	agccattacc	agcagggggt	57240
cacacaccag	cacccaccac	acacccgtgc	taataggacc	ggaggatctg	tgtggcactc	57300
cgcagtgtgg	taaggcagtg	aagagtccaa	agttctgagg	ggttttggtt	tggttttggt	57360
tttatgtttg	cttgttttgt	tggtttttgt	ttttgtcttc	ttcttctctc	tttttttttt	57420
tcaagacagg	gtttctctgt	ataacagcca	tggctgtcct	agaactccct	ctgtagacca	57480
ggctagcttt	gatctcacag	tctgtctctg	cctccagagc	gccatcatgc	ctggtctctga	57540
gtggtacctc	ttaaaaatgt	gaactgtgtt	gccttgtaag	gtataagagg	gttgtgtccc	57600
acagctggtt	gagggaaagc	tagcaaatga	attgtttggc	ccagtttggt	caggtctgtc	57660
tgggtgtacc	actcatccct	tcttttctaa	catgtcaaca	ctgtcaagtt	gtgggtgggt	57720
ttttgcccct	gcttttccct	taaaagggtc	tttgttccat	caacctccaa	tcaaccagga	57780
ttctaccatg	tatatacact	aagaaaggca	gtgggggtgc	taacggggat	ggcagagccc	57840
tgtgtcttgt	ctccactcct	tagacctggt	gagggagcct	ctcgagactc	ggagctaac	57900
aacacaccat	caacagaaat	gttctttatc	actagggctc	ggagagaagt	aatgggtgtc	57960

atgggagtaa	tcttgagagt	ccagggctgt	ggctcaaacc	aggagctgca	gaggtggcct	58020
agtctcagtc	ccacagatta	gaaggggaaca	ggtccccaca	gctcgtcaag	gaaatgctta	58080
cagcaggatg	tgtggtcgct	tggaggccac	ttcagtgagc	attagttact	actgcatgtc	58140
tgtaactaaa	tgcccagtag	aaaagaggaa	aggaagaaat	gctgatttta	gctcagggtt	58200
tcagagggat	ttcagagcat	cgtagcaagg	aagtgtctgca	gagtgtatgg	tcttgaaaat	58260
gtctcacgtc	taaagcacag	ggagggggcag	gaaccagagt	ctgtcacctg	ggcccctaaa	58320
gtcttcaaata	atagtggcac	cagcagggga	ccaaccacac	tgtcaaagca	caagcctgca	58380
gggaacagtc	aagactaaac	tgtaatatatt	tctagagtatt	tgcaaaagat	ctagtattgc	58440
atattgttct	taggagagaa	aaatgtacgt	ctcaaaaatg	gggtggggga	atcttccggc	58500
tccaggatgt	gctgagtatg	tctgttcagg	gaaaaagtgg	aaaggagtgtg	gaggctgaga	58560
gggtctttat	ttggaatttg	taatgtttat	ttatgttgag	tgtgtgtgtg	tgtgtgtgtg	58620
tgtgtgtgtg	tgtgtgtgtg	tgtgttggtt	agaggacagc	tttcaggaaac	tggttctttc	58680
ctatctgcat	ctgtgatctg	gggattaaac	tcagtttgct	aggcccaagt	cttagcgcct	58740
atacccaactg	agtcactctt	ctgtctcaac	tagcaatttt	gggggagcaa	agggaaagat	58800
ctgagctgga	attgactggt	gtgcattttg	tcggcgcttg	cggtcagcta	cgttatcctc	58860
ttataatttt	tgcgtatttt	aaatgcttca	tgagtgtgat	gcacttgagc	tatggaaagg	58920
aggttcttagg	cgctcgccca	agctgggctg	atcgccccct	agagcaggcg	acagtgactg	58980
agggacacag	aggctgcatt	atactgactt	ttttctttac	tatgacaaat	gcctgacata	59040
aatgctaaac	aaaggaaagg	atattttggc	tcatgggtcta	gaagggtccg	gtccatagtc	59100
tttggttcca	ttaatgctgg	gcctgtggtg	aggcagaaca	cggcagtagg	agcctgtgga	59160
ggaggggtgt	cacctcacag	tggacaatca	ggcagagagc	aaggaaagga	ctcttcacag	59220
cattctctaa	gtagaattca	aaacggaatc	tctgtttgtt	cttgggagag	gaaaacgcat	59280
gtttcaaaaa	tggggtgttc	taaaataagc	atcgctcatcc	ggaaaagcat	gcgctcaaca	59340
cagacacagg	agcctgatgt	ccacagttca	tgttcagacc	ataacaggcc	agagtcagtc	59400
tgacaggtgg	gcagggctca	ggcgtgcaaa	cctgaccaga	aatgaatctc	atcagaagct	59460
caatggataa	aaccttgaga	tcacatgagt	cacatggtct	gattacaatt	gacaacagtt	59520
tgttctgcca	ttgttgagga	gaatggcgga	atgctagcgc	cagtgtcaag	gggcttgtga	59580
ttgctctgct	ccaccaagtc	ctcagggaac	cagcctcgat	ctaaaaagtt	tccacaatca	59640
agtgtgtgtt	gtatgcaatt	tatacctcaa	ctaagctgtg	gaaacaaaga	ggaaggatca	59700
tgtcactgtg	aaacccaagg	agacaaatga	aaaagagaca	gatcttcaaa	aagagtcagt	59760
aacactgaaa	gtgaaaaata	tcaattgaat	gaaagatact	cattacaaag	gaagcaaagc	59820
cttgggcaca	gtgggtgagt	cctgcagttc	tgcacccagg	aggatgtgtg	ggaggattga	59880
aagttcaagg	ccagcctagg	tacagagtga	agggctgccc	ccaaaatttt	acaaaccgaa	59940
acgaaaacaa	aacatcagaa	aagcaagaga	agtaagaaag	gaaaaaaccc	cgatggatgg	60000
aagagactgg	agtaggcaga	gaaagcactg	gtggcctgaa	agagagcaga	gaaatgttcc	60060
ctgacacggc	tccgaacgac	agaggaaaact	atggagaagc	agctaaaagg	catggggggt	60120
gaatgagcca	ttctgtttat	ttaatagaaa	ttctaccgca	ggagagtggg	gtgaaggaga	60180
ggttgtaccg	aaaaacacaa	aagccgggga	tttccaggaa	gtaaaatgtg	gacgtgtcca	60240
ttaaggagtg	aagagaactt	tataatcttt	gcttcacaaa	taatgcaaaa	tgatgccaag	60300
tacacaaatc	gaaaggctat	acactgatca	cctacaaaag	atccatagta	gactaacagt	60360
aggttgctta	taacttgggt	caggaaagaa	ctagagacac	cattagataa	gotgacaccc	60420
gtgctctctg	atgaatatto	ctttctgagt	gtatctctct	tectgtttta	gacttcaagc	60480
ttaaaatcta	tatcagaaat	gcctttttaag	ggctcctgcc	ctccacaaag	aaagtaaggg	60540
acaacctaga	attccatgga	tctcgatact	caaaatgata	gtajagtata	gacatttgga	60600
cacaacccca	ccccaaaacc	caagggtctt	gagcatttga	gatttcajca	gaggatgaac	60660
cctttcaggt	cactcgtgcc	tgggccccag	tgaagatctt	cacctctctac	acacgcagca	60720
gagaaaagag	ctgccttcag	cttttgtcac	aacagcctgg	cacctgtatg	gagtggcaac	60780
cctggggccag	gttaccocagg	atcctgattc	agtcagcagc	gatgagagtg	gggtcccttc	60840
tcaggtcgtc	tcagggtctc	ctaagacaat	gggaatgggt	ggagajggaga	cagcgaaact	60900
tagacagogg	ctgaggttgt	ggtgggggoc	atgtaggagg	gcagajggaa	gaggtgagat	60960
gggaggtatg	agctggctcc	tgggocctcag	gtajggagoc	caggcacgtg	cgagcccttc	61020
ctctaattggc	ccacttcaga	cagtctctct	gttttccaga	ttgtggacaa	gaacaaccgc	61080

tacaagtcca	tagatggggtc	ggatgagacc	aaggccaact	ggatgaggtg	agtcccatcc	61140
ctgccagctc	cagtgaacct	caccagcctc	tgggctgggc	ccaggaagta	tcttggggcct	61200
ccaggatctc	agagctctcc	aggctgctcc	agaactgcag	ctgacagggt	ttgaaagaag	61260
tgttctgttc	cccaggcttc	catcagaggc	tctaaagagc	ctgtggccag	accagcaggc	61320
tgcagggatc	gggctgcatg	ccatgactcc	cagtagaatc	ctgcaaagag	gaaaatgtcc	61380
ccaacctagg	ttggaccact	aacattttatc	ctagggcaga	ttcttgttgt	ctggatgaca	61440
tcattccagg	gaagaccag	aagtcacct	atggttttat	gggaatgaag	gtttctaaca	61500
tctccagctc	ccttccctat	ggggctcaca	ttaaacttga	ctgctgacca	gcatgggtct	61560
accctggcca	aggctgtggc	ctaggactgt	gtgtcagaag	catccttaaa	gtctagccag	61620
agagagcaga	gaattgaaca	agggtcactt	cccagggtggc	cacaatgagt	tggcatccat	61680
gctcagagct	ggcctgtgtg	gtatgtgtgg	gtcctaccag	tgggtgtgta	ttaggaaaaa	61740
agtcagttta	actccagtac	cacttggtgg	cctggatcca	tgggcaacga	tggagcattt	61800
agatttgttt	agaagaaagg	aagacctttg	aggaccagag	accagctac	atcatgaatc	61860
gaggccctat	catgtatagt	tctgttcac	tcagatagca	gatgggtgac	ccttgggaac	61920
caatgggtag	gtgagagatg	ggggcagcaa	gagatgcctc	aggatgtctg	agcacatgaa	61980
gaggacctgg	ttggaagtgg	aaagtcatga	ggaggtcccc	tgtgtccttc	tccgtggcct	62040
cactgacacc	tgtatgacct	cagggtgcg	gctggtttgc	aggacagttg	ggctcactct	62100
cttattgaga	gtgcagctgt	ttccactgcg	gcaggcaggt	gcagaatcag	cgcccacatg	62160
tggcctcctc	ctctacaaga	tggctctgcta	tcctaaaagt	ggcaccagaa	gttgtacttg	62220
acgtccctag	ctgccgtctt	ctctctctgc	cctgagggtcc	aggtcagctt	ggcagtgtct	62280
catcccttat	gctgggcctc	tgcacaactc	agtcacattg	gaacatatga	gagtaggcca	62340
ggtcagccct	gccctcctct	gctctctgca	cctctacagg	catgctgtct	attgcataaa	62400
tgccagagag	gctcagacat	gtgctgtgtg	gggtccaga	tggaataggg	aggagccttt	62460
gatatgtgcc	ttctgagggt	ccaggacttt	gttgaggaca	gctggagcaa	gtgggcatga	62520
accttgacaga	aagactgctg	acggacagca	cagccctggg	ctaggccttc	gcatgcgtca	62580
ccacagtcag	gtccaggctt	gctgaaagag	tgaacctgat	gtatcctgtg	acactgttac	62640
ttgcagagct	ccagaagcta	tggcttagag	agctggcctg	tcccatgtgt	cctcccattt	62700
ctgagctttt	gtttggttgg	gcaaagggtt	ttcccgtgc	ccctagaaa	atagtgcctc	62760
atctcaacca	tcttggccac	tgtttagcac	agcagggtctg	ctggtgtaac	ttggctgggg	62820
atgggtccgg	agcatcacga	ttctgcaagt	tcttgatggt	gattccaatg	tggccgctca	62880
ggctgacagc	cgttgtgctg	gtggtcatgc	cccagtga	aactgagacc	cagagcaggg	62940
caaagtcttg	ttcacattca	tgtcacctgt	ggcaaaatga	ggcctggggg	cctgtgtctc	63000
tagctagacc	tgcaagccac	agttctttct	gataatatac	aagggaacca	gcagagcatg	63060
gctccttatg	actgtgggtg	ggttcctgtg	gtgggagact	gctgcttctc	ccacctttgt	63120
taatattgact	ctgtcctgct	accctagcc	tgtcctgacc	ccagatgact	ctgggtgggtc	63180
ttggctgacg	tgtcctgagt	taagaagggt	ccaggagctg	gtgattgtgt	ttgtgtgtgg	63240
ccttgctttt	gggagctctt	gctaatttac	agactcttag	ttgtgttgte	accccagggg	63300
tttgggggtg	atgttgtaga	tgcacatcct	tatgaaatta	ctggtggacc	cagtaaagag	63360
taggtacaaa	ggtactcatg	tcttgagtgt	taacctgtgc	aagctctgtg	ttaggtgtct	63420
tgcattgcagt	aagtctcagc	ctggggcatt	tgggacgcct	gggcagtgtc	ttcagacgtt	63480
ctaggtaagc	acagcttcat	gctgggttac	tcttggtttt	gcaggagttaa	aaggtaagtg	63540
tattattgaa	cattctacac	tgtacagtaa	tctcctctcc	tgaccagac	tctgatttcc	63600
catggcggtg	taattagggc	cctataggct	tcactctagt	cctatagagg	cctgtggtc	63660
cccagggata	gtctcaagtc	tgtctgagct	caaggccttt	gtcctgagct	gggtatcgaa	63720
gocggagct	ttcctttgac	tjattacacg	cgcttggtctg	aaaggactca	gaagtaaggg	63780
tggaggaaac	gagagctgct	ggggcttctg	tjattctgga	agcatccaga	ggtgtgggtt	63840
gggatccgag	ttagctcaca	cacctgtctt	cctcctgggt	ggaactcttg	tttcaaaact	63900
atagcaaaaag	gcaggtagaa	ctggaatgct	ccttgaaattc	taaaagccaga	gcaaggctcag	63960
gttgaagaac	ctcagcagaa	tcagttatcc	tgggtgccttt	gctagggttag	catgtctctt	64020
ggtggatgct	cacgggtgct	tgcctcttta	actagaatac	cacagcagcc	acggcatgag	64080
gaaggagctt	gtgggtggtg	ccttgaggga	gaagagattg	ttcttctctg	aacatacatg	64140
ttcagaagta	gggacatgag	agacactgga	agatgggaga	caagtcacag	gtjacagaat	64200

aagctttctg	tggttgcaac	atgatggaca	ccagcaacca	gtgccacagc	cactgcaggc	64260
cactgtaggc	tgtgttttaa	actcacttga	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	64320
tgtgtgtgtg	tgagaagatg	cccaaagagg	ctagagaggg	gcaacagatc	cattggagtt	64380
tgaatgaagg	gcatttgtga	attacctgat	gtgatttctg	agatccaaat	tctaatactc	64440
agcagagagt	tgtagtaaat	gtccttaacc	cctgagctgc	ttctccagtc	ccttaagtgg	64500
ttaaagctcg	tgtacgtaga	tggaaccctc	agaaactggg	ctggacgggg	agaacgaggc	64560
agcaaaagct	gagtgaactt	gaacttcctg	gtgctcaagg	ctgatgagag	gtagggcagc	64620
ctaccctgca	gtcactgggc	tcctactacc	tccttcctgc	cttccctctg	aggaggcatc	64680
gctgtaggag	gaggggtgtg	tggggccttg	gtggccccag	atgtccctctg	gcttcccaga	64740
tggggccagt	gattaggaag	gaggaccatc	ctcattaacg	gtcatttacc	caattatgct	64800
ttgtgggata	ttcaacccaa	ggaacgtgct	gccctgggcc	gagcgttaaga	ggaagccata	64860
attctccaag	gaggagctgg	acattctggt	cacagaggtg	acccgtcacg	aagcccttct	64920
ctttgggaga	gagaccatgc	ggctgtccca	tgccgacagg	gacaagattt	gggaaggcat	64980
agctcggaaa	atcacctccg	tcagccaggt	tccccgctcc	atcaaggaca	ttaagcacag	65040
gtgggatgac	atgaagcgca	ggaccaagga	caagctggct	ttcatgcggc	agtcactgtc	65100
ggggccaggg	atcggggggc	acacctaccc	catcatgctc	gctgcccacg	agagagccat	65160
cgaggcagca	ctgctcacca	ccagggccgg	gcatggcttc	cccagggcag	agctggacag	65220
aaccgacagc	ccgtctacca	gctgtgagta	tcgatgcoga	gtgtggggct	tgcttctctg	65280
tgtgcactta	ttcccatgct	agctctcagc	cctgcctgtc	tcctgactc	tctccatggc	65340
cccattctcg	ttctgtcttg	cctccacttc	ttgctcatcc	actgtgtgcc	agaagcccg	65400
ttgggagcag	gaaggacagg	gctgcatcta	aaacctacac	agacacttgt	cggactaaat	65460
aagccccagg	tggatccatc	ctgtggccta	agggttaact	gcacatagct	atgaagggtg	65520
ccgaacccaa	accataacct	tgtttaaaac	agtacaagtg	ttttgttggt	ttgtttggta	65580
cctggagcag	aaactgtggt	tgaccttggt	ttacagtgtc	aaaaggttag	acgtgccttc	65640
ttggattaga	ttattgttca	ccttagagga	aggataaggg	ctcaccacgt	ccaggacatc	65700
ccagatttcc	agctttgagc	ttgtgtgata	tccaggcctc	ccaccctggg	cctgctgctc	65760
tgcagtctgt	gctgggtctg	ggacacacat	gaatggaggg	ctgcagctgt	agagaaggcc	65820
tgaggctggc	tgaggaagat	gtttgaaggg	cgaggaagag	ttaaccaggc	ctgggtgcag	65880
gcgcagagga	ggggagggga	aggcgagcag	gctgggaaca	gcatgtacaa	ggcccacatc	65940
aggaaggcgc	ttggcacggt	ccaggaactg	cagaagccag	ggaagcccca	tcctagccag	66000
ccggcagggg	gaggggcacc	accacagcag	ccgagtggca	gggctgggct	gggccggggg	66060
gagacctttc	tcctgtaact	tgtctgcttt	gtccacttct	ctccgtcttt	ctgagcttga	66120
tccactttct	tttggtctct	gcttcttggg	gctcacctgg	gactggctgg	cctgcttttc	66180
ttgcttctct	ggacttttag	cggttctagc	tgttctagct	gtgttcacca	ggagggggag	66240
ccatcggagt	ccatccctga	agaactatcc	cctccctccc	acttcttcac	acaccatac	66300
ccttctctcat	ctgctgtctc	cagtggagtc	ctgtgagcag	ggcaggagga	tccaaggagg	66360
ctgtggggcc	gagcattcag	ccagcgggag	agtggttcac	caagtcggac	ttctctctct	66420
gcccttttgc	gcgggggatct	gcttatttcc	tgtttggtct	aggtctctga	caggtggcca	66480
ctcacaaagt	cagcctcggg	agtagaaaag	agtggtcatt	atgagggtga	cttctcttgt	66540
aaccagatga	ggcaaacagt	cttcacagaa	gtggaggtgg	cctgagacaa	tcagaaccag	66600
acttgggccc	ggacctgcca	gggtttgcta	aaacctcggg	gcgggcagca	tctggaaaaa	66660
cctatttctc	gaatcctgcc	ctgttcaccc	ctccgtctcc	tagagatoga	agatgatgag	66720
attagcagag	gtaacatgga	ctgcaggggc	tcccaaatct	actaactaat	cacaagctta	66780
gcctggctgg	gaccgtagtg	gcctcagggc	ttggggaaa	ggtaatggcc	gttctgagtg	66840
ctcctttctc	ccctttctgg	catcccaaga	ggttggtctc	cacttatgga	gtatgctcag	66900
gaagcagtag	gtctcactgc	gccagcatca	ggagacccac	agatcagtg	ggtcagatca	66960
agcaactcag	ggtggggcat	gatgtgctcg	acctcaccag	ccacatcagg	gggacacaaa	67020
ggctgggtgg	tgcgcccaaa	taatctcgag	tctgcatca	gccttctcct	ctcatctcca	67080
gcattttggc	atctcctctg	ggtgggttgt	taggattcca	gcaaggccac	aaggtggccc	67140
caagcaactt	tjaaaagtcc	ctcctctgtg	gagaccagtg	ctcacaaag	agcagcttag	67200
aacctctcac	agggatgggt	agctctctca	gctctgcaat	acaccgtagg	gtctggggag	67260
cccactaaga	gcccagccgg	ggccccgggg	gttcagcaga	gcagtcatta	ttgtttctct	67320

gaaggtagt	gaaggtagt	gaaggtagt	gaaggtagt	gaaggtagt	gaaggtagt	67380
cactggagct	ggggtctcct	ttgctggaca	atcctttcct	ggaatgtagc	tgctctctgt	67440
ggaagaagg	aaccagctcc	cgctcaccct	tctaccgatg	ctggacctac	acgtcccagg	67500
gacttagaag	ctggcatttc	tctgtgtgtg	gtgccagtgt	aggctgacgg	gtggccagca	67560
gggacttttc	aaagctgtga	cctgtgacct	gggctgcccc	ctccaccctt	ttgtaatcac	67620
ctgtccttct	ctccttgtct	gatccaagat	gatgaagacg	aggaagctcc	cgggccctca	67680
cagcagcctc	tccggatgcc	cctgcttcgt	cctccagagg	aagaggcccc	cctggccagg	67740
cccacgctgc	tctattcact	ttcctcagac	ccatccaaga	tggtggaccc	taagccagag	67800
gtcctgcccc	atccctcact	ccaggccccg	aggaccccag	aaccacatcc	cagctcgctt	67860
accctggggc	tggactggca	tctcctgcac	gcccctgccc	atcagactga	aatgtttccag	67920
aagttctgcc	aggagctgat	gactgtgcac	cgagacatgg	cgggcagcat	gcatgtcact	67980
agccaggcca	tggctgagct	gaacagccgt	gttgggtcaga	tgtgtgagac	gcttatggag	68040
atccgagatg	cagttcaggc	atctcagcgt	gggccagaaag	gggcagcccc	catggaccac	68100
actttccagt	ctcaggcacc	cctgctgggg	cctacaccag	cacccccaga	accagcccca	68160
atacggacta	ccagggtctcg	gaagagaaaag	cacaattttct	aacctgggca	gtttgcctaa	68220
ggagaagcaa	tgccgggtgg	gtctggcctt	gagttggggg	agtctcttgt	gtccagaaac	68280
aagactgatg	accgtggggc	acagtcgtct	cttcacctgg	tgcagtccag	tctcctgtgc	68340
tttcaccgag	cgggtgtaca	ggcgcaaccac	ccccttatct	caggaagata	ctcaagacac	68400
aagaaaagct	gctgtcttga	atgcttgctt	ggcctagaag	gctgctctcc	tctgtggcctg	68460
tatcctgtat	cctatggagc	aggccttgct	ggggcagggg	gcagcatcca	acagaatctt	68520
gctttcaact	cagggctgct	gcagagctga	cctcccaggc	cctgattctg	ccctttctca	68580
ggtggtgcgg	ggctgtgggt	gggctggggt	ggctcagctg	ggtgggtggg	gcccggccat	68640
ggccctgtgc	ttgccctgcg	ttgctcgggt	gctgtgcttg	cctttggggg	gggttggtgg	68700
ggggagaaga	atgggatgtg	ctgggtgagg	gaaagagatg	attttgcatt	cctagcatac	68760
tataaaacttt	ccccccccc	cccccgagcc	tgacatgggc	aggccatctc	aggaagccaa	68820
gtcagtcttt	acaatcactg	attactgggt	attccagtca	ttgtcatgca	tctcaggggt	68880
cagaaatgat	acagccatga	tagtggggac	ctggcctgct	ttcttcaaga	ggccagatct	68940
ggagtactaa	taatagatga	ggatcctgct	cctcacctaa	gctctgcctc	agcttctaca	69000
gttagaagag	ggaacaaaac	cagcgtgatg	agtatgcccag	cctgtgatgg	ccttgagtct	69060
cacagccaat	gaaggggagg	ttctggggcc	tggcctcagg	agccagcagg	cagactgtcc	69120
gctcactggc	tcctaataag	gccataaaac	aatgagaactg	tgtccagtcc	agctcccagc	69180
atgccttgcc	tctgcttgct	tgggctgtat	actcacctag	ccatacagac	ttgtagcttt	69240
gagttttgtt	tagggggccc	agtcagagag	ctgggatctt	tgagtgaggg	aggagaaaag	69300
aagccaaaag	cttcactctg	acctaggtgc	agctttgacc	togatccctg	gcttgaggct	69360
gaccccagca	gacctttcac	acctacccct	ttctccctaa	gaaacagagt	ggacctggaa	69420
gctactgga	ccagtgctc	actgaggctg	ttgctagcgc	tgtttataaa	cacacacccat	69480
gcttctgctt	acatgagatg	atggacggat	ggcaactgct	gtgcccctga	gcccgtgggt	69540
ccattgcctc	aatctgtggg	tcttgggtgg	ttcctgcccc	atccatcaga	ctgcataattg	69600
tcttgtctag	taatagcctg	gtgcctggaa	ttgcccggcc	ttcccatgct	ggaacccaaag	69660
ttggcctctt	caaataattt	ttgttaagat	ggcaataaaa	tgaatcagat	gtcacacttt	69720
gaacacagcc	aggctccagg	atcttttttt	gggtgtgatt	ctttttcttc	ctatcccagg	69780
gaaccccacat	gagcctccag	atcagggatt	agatgcctaa	tggaagtgtg	atgggggaaga	69840
ggtccctgtg	gacotttgcac	attctggatt	ccataaaactc	cctagggggg	tgctcaaccc	69900
catgcttggt	ctcccaaaacg	aaaggcagtg	actgttaggg	caaaggcagc	tgaacatcca	69960
tggatgtcaa	cttttaattt	ttcctgcaca	tcaaaaagtaa	atttaacctt	atgctccccc	70020
aaagtattac	agtttccagg	gaaggaaata	gtttctgggt	ggagaactga	gaggtctctg	70080
gctgtccatt	aggggttcat	ctgggatact	cctcagtagt	ggctacatct	ccactgaact	70140
cagtagctgc	ctgtgaaagg	caaggccctg	cctacccaaga	ctcctcagaa	gaaccagagt	70200
tcttccctct	ggattccactg	gagtgtgctt	caccacagag	ctgtgtctctg	acccgtcagc	70260
ctggctaacc	tctgtccatg	gagagagctt	cctgtgagagg	aatccctaaa	tggtagccta	70320
tgatgtactt	tctgaatagt	tcttagctac	ctttggcttt	ggaatccaga	tcattctctt	70380
aagttccctga	ccaaaatgca	taaccatgga	aattaagatt	gcagttggca	ggagatacag	70440

agatgcagct	ggcctggggtc	tcctctaata	cccaagacct	gtgagactgg	ttggcctcta	70500
tttctgggtg	tggggaagaa	gaggccacat	taaaggctgt	gtacaagaac	caaggtcaga	70560
gtccaggggac	agtggtcagt	ttgagatgga	aatgggttcc	attttgggtg	cttgggtggca	70620
gtggggacca	ggaagccaga	atatattcaa	tatattcaat	aggaagagga	aatgaatggg	70680
gagcctgtcc	cagctcttcc	caaaaggaag	ccttgaaagg	aagcccatag	catatgtggg	70740
caactgcctg	gatatcagag	acctaaccgg	gtgacatcac	agagcccagc	ttcttgtcca	70800
gtcttcccat	ttctgtcttc	ctgggcaact	tcctttctgg	tagaaaagctg	cgttggccat	70860
gacaggcctg	tgctagtcct	attaaacaaa	gtggacgact	ccctgagcca	ttttctttct	70920
tgagtcggaa	cccatagtca	tttctgacc	cagctagaaa	atatgggtgca	cttgataaga	70980
cccagtgggt	gaggcctgag	aattgtctcc	cgggtgcttat	ctgtccagta	ccaaggcta	71040
gtgaggagac	aggactcaaa	acaatgtgtt	atcttctggg	aagattcagt	ccagaacccc	71100
tgccttcccc	accactgtca	gtcacctact	tattttctagg	atgcctgact	ctgaactgcc	71160
agacttgaac	tcagtctcta	caggacagcc	tggaccgggg	tgtttccac	cctgctctgt	71220
tttcccaaca	agggagtgtg	agctaggaat	tcagaccccc	tggtagacaa	ctggctcttga	71280
ccacaaggag	gagacagttc	ctggaaaccc	tggggtcctt	ggccacgtga	cacaggacag	71340
tatttctgta	gaatgagcac	agcagaattc	cgagaatgtg	ccaagccact	gagtgtcgcc	71400
actgtaaagg	gaggggacct	cattagaggt	gatgggtcct	gagtcttagc	tggatgcagt	71460
aaactttctc	ttgaaagttc	tgtcacataa	acatgttaag	tcctgggact	cgggtgactgt	71520
gattcaccca	cagtttccat	ctgtatctca	tttcaaaaagc	caagtttttaa	aacaacccaaa	71580
tgcaagatgc	tcaacacatt	ttgatctgat	gctggaaaata	ctttgtgata	tgtatcaaga	71640
ctgagtgaga	gtgctctctc	taaatgctgg	ctcttgttag	gtagaaccac	attgcagggg	71700
gaggggggac	gaagggaat	gcctgcaaac	catttgaaat	ggtagaccc	actccagaca	71760
ttgctgtttt	gaatcagcaa	atcgtgatag	tgacttgttc	cccatgtacc	cttttctctg	71820
gcatttaata	ttgaatggct	ggccagaaac	tgaaggggag	aagggagaa	gtgctcttgg	71880
gtgttctgtg	aaccagtgg	tcccagaga	acacaagaat	gggatttcta	ccttccagat	71940
gtgtctggaa	cagaaaaact	tggagctaca	ttcattctgg	gtcctcctga	ccattacact	72000
ggatggtttg	ggaccaatcc	tagactcttg	ttaaattgga	aacttggagc	tgaggctgg	72060
cctgtgagtg	gagcaataag	gctgagcatg	gttgcctgcag	tcttgggggtc	tgccttttgt	72120
ccttgcctgac	tatgttgtgg	ctgggtgctt	ggagagcctc	atgagatttt	cacagctcat	72180
gggggttaggg	ggctctctga	tgctcatgta	agatacaggt	ggggatgcaa	gcgtgctgag	72240
gctaaggccc	tgggcaagac	ggctgaccca	gggtctgtgag	caccattgat	cttgtccaga	72300
ttggaggagc	ttgggtgttg	ctctcccaact	gcttgggtct	tcctccctca	gcttacaatg	72360
tcctctgtcg	ccagaatgga	ttgttaactg	ggctccaggg	gatgtgtttc	taagggtgcca	72420
gcctcctctg	gggtagtcaa	gttgattctt	caggacotgt	ccagataaga	gcagatggga	72480
taggaggtct	gcaggcacag	gtctagcgg	ctccagtgtg	agttcttgga	gctgtccagc	72540
ccccattgtc	acotttgcaaa	gaatctgaca	tctgtgtgaa	tgtttctctc	ttgcctcttg	72600
agtgcagagaa	gcagcacaaa	cattattgag	gaaacotgga	aggtacagac	aattccagag	72660
acgatccacc	caaagtgatg	gcgtctctgg	ttaaaaacag	gggtgtgtga	cttcaagcag	72720
ttctgctggg	agacacattg	ttagagcaca	gtataacttg	cttgggtctc	aacctgtctc	72780
actctgcctc	acagcaaac	tgttttgag	ttgggttaagg	tgattccagg	atgttggaag	72840
tgtcatttga	aggaaaactg	gtgaggggtg	tggattcatt	gggtctcttg	gcattgctga	72900
gtccatgggt	tccgggcccc	catggaaaact	gtgagttgta	gctccaggga	tgataggcca	72960
caaattttga	tcattagctg	tgcctttgga	caagttctctc	agcctctcca	agcctttctg	73020
ttgttgccga	tcttctgtgt	tctctctctt	atctattccc	ccttctgctc	tattggggcca	73080
actataagga	tgtgtctcta	aaactgagct	atcatcagtc	actcttagag	gatcgggttaa	73140
ttctgtctaa	cctagcaaaa	tatggaaaac	gcccacagct	tcccctgtgc	ctaactgagg	73200
ttaaaggcca	gtgaaaagtg	agctggagct	taagagcctg	ctctttccata	ggacccaggt	73260
ttgagtccca	gcactccat	ggtagtccac	aaccatctgt	aactccactt	tcaggagatc	73320
taatggcctc	ttctggcctc	tgggagggct	ctatccatag	gtacacagac	ataaatgcgg	73380
gaaaaacacc	cctacacaca	aaatattaaa	ataaaaataag	tttttttttaa	ggtcaataaaa	73440
gagggagaagg	gatagccacc	tgtatttgag	tctgggggtg	actgtgactc	tcaagggttg	73500
cagggcagat	ataatttcca	gtctcagatt	aaacaggttc	ctagggtcca	gagaatgtgt	73560

taacatgata	ctgaatagag	atgtaagtta	ggaggaccag	ctctatagtt	ggctgtctct	73620
ggatgagaca	gcagctcttc	ttatgtgcc	acatacttta	agctcttgtg	ccctgcacct	73680
aaggcactca	accaggtgtg	gcccattggt	ctcacctgtc	ccctccccac	caggtacgtg	73740
gtcatttccc	gggaggagag	ggagcagaac	ctcctggcgt	tccagcacag	cgagcgcctc	73800
tacttccggg	catgccgaga	catccggcca	ggagagcggc	tgccgggtctg	gtacagcgag	73860
gactacatga	agcgcctgca	tagcatgtcc	caggaaacca	tccaccgcaa	cttagcccg	73920
ggtgagtatg	gccatgggaa	ggagcgagt	tgccctcagg	gccagggaca	tgcccataat	73980
gctaagtcca	caagtctagg	tcagtactga	ttgtgaagt	actcgccac	aaagctagg	74040
tcacgcctac	aggaccaaga	ccacgcccac	ggggctaagg	ccatgtcaac	cagcaaaagt	74100
tacaccact	ctgaaccaca	aaagcccaga	aagcacctct	gggaaccttc	caagcaaac	74160
aatgaggaat	gcagtatcga	gcagtgcaca	gagccaggac	aggcaagacc	tcagcaaaagt	74220
aagccagtgg	ccaccccag	ggaattctct	agtgtgcagt	cctgagagat	cagcaaatcc	74280
caaccaata	aatcagttga	ataacaccaa	tcttgttacc	ccaacactaa	ctgatgaaaa	74340
gacacttctc	actcagtacc	tcaatagata	acttccctgt	tgctagctgg	gttgccctca	74400
ctttgccatg	ggatcaagg	aatgagaact	aacctgccaa	gatgttctga	gagtcctgtg	74460
agcaatgtac	ttaccaccgt	tgatgcaatc	tctacctoga	ctgtcactaa	gtcccttgg	74520
gtaaaattct	agaccagtga	ttttcgtgac	atcagctcca	ccattgtaca	attgtccaaa	74580
ctgagcttta	cagaaatgca	gtgacttacc	cagggtcacg	tgactaatga	ggacagagcc	74640
agctttccaa	cttgaggcat	ctgaagtga	gatctaagtt	ttatccagac	aaagccagcc	74700
ttgggtgtgt	tgatcttgtt	cctgggagcc	aaaatgatac	acagcatgaa	ggaatggttt	74760
ctaccggagg	aaggctagta	caggagaaga	tgggctcagg	ctgggagaa	atagtgggtt	74820
ggctgtccat	ccatgtgcca	ctggaatggc	tcatttaaaa	ggaacttggc	ttactccctg	74880
cctctggctc	tccagctgta	gatgccatcc	tcagcctggc	cagggtacac	aggtgcaccc	74940
aggtcccttt	ttccaagaga	gccatctttg	cacagaagct	gtacattcac	acacccagag	75000
tcaatttggt	cctcggaggc	agagccatgc	ccaacgtctt	ctccgcctgc	atcttaacta	75060
acctcttcac	tgatagcct	tgtttagaag	atgagcggag	gagatgggag	cagatgactc	75120
actgaggtga	agatgattag	gaagacaaag	cagaacaggt	cttgggggtg	ccaaaagctg	75180
tctgacttag	tcaaaagcat	ctggcagttg	ccagcgagct	gagagacctg	tgggtaagcc	75240
tatctcctga	ctcctttgga	gctgagcttg	ggccatgctg	gtttcatttg	gatggcatgc	75300
ttctgggata	aagggtggct	actgtttggc	ctcttctcga	aattccagaa	gggttccctg	75360
gggcctcggg	acctccagaa	atgtttgggt	aaacctcagtt	gcacgcgata	aagcagaagt	75420
gaacgaaaac	agccaggggg	tttccagaag	aatcacatta	cccaaagaaa	agaaaaccaa	75480
gatgggtcac	agctgctgtg	gcacagatcc	atctctttcc	caccatcttg	gattctctctg	75540
gaatatgtct	tcctgtcttc	tccaaagcac	ctcaacctga	atcactctca	agaagaacctg	75600
agacccagg	acatctcaaa	gagaggagag	agcttggggg	aatgaaggct	cacagggaaga	75660
ttgagaagag	agagagagcg	agccttgga	gatacaggat	taaggatatct	atctgcctctg	75720
gaccaggctg	gattgtaggc	ttcagggaaga	aaccagcaac	cacagtggac	ccagcaggag	75780
ctgtgatgga	agtggctcct	gagagtgaac	gtgggaactg	gcagctgatg	gatgcctgct	75840
agatgttagg	tacagagttc	tagaccttta	aatgtgtctt	ggatgaacct	tcagccctgc	75900
ttagaaaggt	ccccattgoc	cagtcactta	aggtattaca	gtatatattag	ctttgtgtgt	75960
gtatgtgtgt	gcgtgtgtgt	acatgtgtgt	gtatatgtat	atgtgtotata	catgtatatg	76020
tgtgtgcgtg	tgtgtacatg	tgtgtgtaca	tgtgtttgtg	tatgtgcata	tgtgtgttca	76080
tatgcagggt	catgcctgta	tgaatcagcc	tcagtgtgta	ttctcagta	atcgctttgc	76140
ttttgagaca	actctcaactg	acctggaaat	tgaaaaatgt	gttaggctgg	ctgggtcagtg	76200
caacctcagg	gtctacctga	acctacccgtc	ccagcaactgg	gattgcaagt	gcctgcacaa	76260
acacagagct	tttttttttt	tttttttttt	tttttttttg	ttgtttttta	atgtgaatcc	76320
tggagattga	aacttaagtc	ctcataactg	caaagcaaac	gttttatcag	ctgagctatc	76380
tgcagtcctc	cccgcgccccc	ctttgtgaga	cacagtctca	tcctatcccg	gttggctctg	76440
aattccatat	gaagctgagg	ctggctttga	actccagagc	ctccgtctct	acctcccaag	76500
cactggggcc	attgatgggc	acctctgcct	cttgcctttta	gagagaggag	catcttccatg	76560
gtcagaggct	gcttagccag	atcgtaactta	ttgtcgtttt	tttttttttt	ttttttttta	76620
atgaaagagt	gttgtgtgga	gccacagagct	cctggagagg	atattctttta	ttccttttgtg	76680

gttatctttg	aaggatacga	gtcgacacac	ttaggtgac	tgtgtgattt	gtgtggggat	76740
tataaatttt	tttctttgat	ttttatccat	gaatgtcgtg	gaggatttgg	aatagaagtc	76800
atgggtgacct	ttattaaagg	ttgtccgtgg	accagggatt	ttacatggaa	gccacaagtt	76860
cagaaggctt	tcctgctcag	cctagaaaac	atgggtgact	ttatcttcca	ttacagagac	76920
aatgagagtc	ttctgtgatg	taacacccag	catcttcaac	ggtctgatgt	ctggggagcc	76980
caagacgagg	caatagggca	cccttgactt	ttcagagatt	cagcttggcg	agcaccaccac	77040
ctgtcctgtg	acacaaatac	cttgacattac	atTTTTTaaa	ttgaatttga	tttatgtagt	77100
gtatgtaatg	ggtgttttgt	cttcatatat	gcctgtgtac	cgcatgtatg	ccagctgccc	77160
tttgaggtat	cttctgggta	ccctgggact	agagtctgtc	acagaggggt	gtgagctgtc	77220
atgtgggtgc	tgggaactga	actcaggtct	tttggaaagag	catccagagc	ttccaatctc	77280
tgagatgtct	ctccagctca	caaaaggcat	tttttaaagg	gtcccatctc	gcccccgagc	77340
tttctgcagt	tctgctggca	cagatacagg	ggcttctggg	agccgcccga	gtgccaggag	77400
tccgggatga	ggttggttgc	taagcagcgc	ctgtgaggac	agaataggga	cttgagtggc	77460
ttaaaccctg	ctgtgctggt	ttctgtggga	gcctagaggc	gtgagggaag	cagctggggg	77520
aggccaagca	tggagcctcc	tgaccttcac	ccagggccta	tcaaatecct	tcacagaagc	77580
ctggacactg	aacagaggct	caaggttgca	gcaccaggac	cctgcccatt	tcaggtggcc	77640
tttgagattg	cgcaacccca	caggttctgc	tggcagaacc	ttctgaaggc	tgggaaacaa	77700
ctctcctcag	catgtcaccc	cctgggcata	ccagcacttc	tgtagcagtc	tgtgctggcc	77760
tcgctaaagg	atctaaaata	gcttactatt	ggtgatctca	ccaacatttc	aaggtaatta	77820
aaaatgaagg	aaagagaggc	atcttttgac	aggtggggaa	atggctgtat	ctgagaatac	77880
tttgggtttc	gcaactacct	tgccctaate	ttgaggggag	ctgatactct	ggtatgttta	77940
ggaatctttc	ccaaggcacc	cccacttctt	ttttcaacct	tagccatgac	tgagaaccac	78000
aagactttga	cccatctttc	tttgtgtatt	tcttatcttt	agactgctgg	gagaatagag	78060
aggcagcagc	tgtagggtgg	ctgtttccct	tggctctctg	ggcccatgag	catgggagga	78120
aggcagggcc	tgtgcttccc	ccgtgctttc	tactgaggcc	ctgcaaccac	cgtgtagtct	78180
ctaggtctga	aggatagctt	gtcccatggc	gggcagacag	acactcagct	ctgaaagctg	78240
ttgcattagt	cagatggagt	gagatgctgt	ctcctggggg	catagtatgg	caagccccc	78300
ccccatagga	tgatgaactcc	ttttcagttc	ccgcttgaga	catatgocaa	ctcacaagtg	78360
tagcatttat	cccatgtgag	gcctttctgt	aaaggctcct	tgactctaga	gcccacgata	78420
cgttctttct	tccatttggg	tctcacctga	cccagatggt	cagatccagg	tggatgtgtc	78480
aggcaatcct	ctcgcagaag	gcctgctctg	ttccctgtca	atttctctgt	ttggggcttt	78540
ccccacatc	ttcacaccct	ggttttccct	cctaggagag	aagaggttgc	agagagagaa	78600
ggctgagcaa	gccctggaaa	accagaaga	cctaaggggt	ccactcagt	tcctctgtgt	78660
gaagcagggc	agaagtcctt	acaagcgcag	ctttgatgag	ggagacatac	acccctcaggc	78720
aaagaargaag	aaaatagatc	tcactttcaa	ggatgtgcta	gaggccctcac	tggagtctgg	78780
taacgtggaa	gcccgcacgc	tggccctgag	cacctccctg	gtcctccgga	aagtccccaa	78840
gtaccaggac	gatgaactatg	gtagagctgc	cctgaacgaa	ggcatctgca	ggaccccggy	78900
ggaaggggac	tggaaaggtcc	ctcaaagggt	ggccaaagag	ctggggccac	tggaaagatga	78960
agaggaggag	cctacatcat	tcaaggctga	cagccctgca	gaggccctctc	tggcatctga	79020
cccccatgag	ctgcctacaa	cctccctttg	tccaaactgc	attcgccctga	aaaagaaaagt	79080
gcggggaattg	caggcgggagc	tagacatgct	taagtctgga	aagctgccctg	agccctccct	79140
tctgccaacca	caggtgcttg	agctccaga	gttctcagat	cctgcaggta	agttccctcag	79200
gatgaggttg	ctgttaaagg	gaagagtgtg	cagtgcact	cgtgcgcact	gtgtggagggy	79260
tggccacagag	cgtctctgctc	tgtcacaaac	acctgcccag	agaccagagg	aatgcacctc	79320
agcagaggca	gccccctctt	gggggtgggag	ccagtcctct	caggtgacag	aggcaggctg	79380
gcttgaagat	cggggggagggy	agggcattgc	atgtgcbaac	ctgtatatcc	tccttgtcaca	79440
taaaatatgt	cccatctgca	ggagggtgtg	gtgctgtgtt	cttgacctgg	tgtttctctct	79500
tggggggcgy	gcccactgtt	gtctccctgt	acccaaacttc	tctcttccccc	cagttctctgc	79560
tgggagcttt	tacagctccc	caaaactcagg	ccaggagcac	agcctcgtcc	acttcttccca	79620
gactctgtcc	cacccacatg	gtgctctgtt	cccagcctgg	agttctagaa	ggatgaggaa	79680
ccagagaacc	tgggggcgcag	agctgtatga	ctgtccctttt	ttgctggctg	cctggatctc	79740
ttcaagttgt	tggaccaaggy	aagaactgtg	gttcgattct	gtgcagattt	gcagctaaagc	79800

cgggctgttt	ccctcaggtt	tccctttctca	gccaccctca	gaatgggttg	gggtggacgt	79860
aaaaaccaca	ttttgcctca	atatcgaggc	tgcccgcagt	taagagccac	atgtctaccc	79920
tgaccatagc	ggtgggcatt	ccaggggccag	gtcctccagt	gtaacctgaa	tgtgtgacat	79980
caaacattct	gcctctttcta	aaacattcca	ccccagaagc	accacaaat	caaaactgag	80040
ctcaggtgca	ggcagcgtgg	agcatagtga	gtaacgtcca	agaacaccat	gggcaactca	80100
tggggaggga	acctcactgt	ggagagtaga	gttacccttg	actcaactcc	aggctgggct	80160
tccatctctg	tggggcccgc	gtcctctcag	aggcccttgc	tgagtctgtg	ctgtcaacag	80220
cccacgcgaa	cttctccttc	ccctcttatt	ttccagcctc	agagagtatg	gtctccggcc	80280
ccgccatcat	ggaggacgat	gaccaggaag	tggattctgc	agatgaatct	gtctccaacg	80340
acgtgatgac	ggcaaccgat	gaaccctcca	agatgtcctc	tgccacagga	cgcgcacatc	80400
ggcgcttcaa	gcaggagtgg	ctgaaaaagt	tctggttctc	acggtactcc	ccgacctga	80460
atgagatgtg	gtgtcacgtg	tgccgccagt	acacggttca	gtcctcacgc	acttccgctt	80520
tcatcatcgg	ctccaagcag	tttaagatcc	acaccatcaa	gctgcacagc	cagagcaacc	80580
tgcacaagaa	atgcctgcag	ctgtacaaac	tgcgcatgca	cccggagaag	actgaggaga	80640
tgtgccgcaa	catgaccttg	ctcttcaaca	ccgcctacca	cctggcgctg	gaggggaggc	80700
cctacctcga	cttccggccc	ctggcagagc	tgctgcggaa	gtgcgagctc	aagggtggtg	80760
accagtatat	gaatgagggg	gactgccaga	tccttatcca	tcacatcgcc	cgggcactga	80820
gagaagacct	ggtggagcgc	atccgtcagt	cgccttgctt	cagcatcctc	ctggatgggc	80880
agagtgaaga	ccttctggct	gacacagtgg	ccttctatgt	gcagtatacc	agcagtgatg	80940
gacccccagc	cacagaattc	ctatccctgc	aggagctagg	cttctccagc	acagaaagct	81000
atctccaagc	actcgaccgg	gcctttgctg	ctctgggcct	ccgcttacag	gacgagaagc	81060
caactgtggg	cctgggagtg	gatggggcca	acatcacgcg	cagcttgccg	gccagcatgt	81120
tcatgaccat	ccgcaagacg	cttccgtggc	tgctgtgctt	gcccttcctg	gtgcaccggc	81180
cccacctgga	gacccctggat	gccatcagtg	ggaaagagct	gccctgccta	gaggagctgg	81240
agaacaactt	gaaacagctc	ctcagtttct	accgctactc	accacgcctc	atgtgtgagc	81300
tgcgctccac	ggcctccacc	ctgtgcgagg	agaccgaatt	cctggggggac	atccgtgcgc	81360
tgaggtggat	cattggtgag	cagaatgtct	tgaacgcctt	tatcaaggac	tacctggaag	81420
tgggtggctca	cctgaaggat	gtcagcagcc	agacacagcg	ggctgacgcc	tcagccatag	81480
ccttgccctt	gctgcagttc	ctcatggact	accaatccat	gaagctcctc	tacttctctc	81540
tggacgtgat	cgctgtgctg	tcacgcctgg	cctacatctt	ccagggcgag	tacctctctg	81600
tgtcacaggt	ggatgacaag	atcgaggagg	caatccagga	gatcagccgg	cttgccggact	81660
ccccgggaga	gtacctgcag	gaattcgagg	agaatttccg	agagagtttc	aatgggatcg	81720
ccgtgaagaa	cctcagggtg	gcagaagcca	agttccagtc	catcagagag	aagatctgcc	81780
agaagacaca	ggtcattctg	gtcagagggt	ttgactcccg	aagccgggtc	tttgtgaagg	81840
cctgccaggt	gttcgaactta	goggcctggc	ccaggaacag	cgaggagctc	ctgagctttg	81900
gcaaggaggga	catggttccag	atcttcgaac	acctggaagc	cattctctgc	ttctccgggg	81960
atgtgtgcgc	cgaagggaag	gacccccggg	ggagccctgt	gatggagtgg	agagacctca	82020
aggctgatta	ctacacccaaa	aatggcttca	aagacctctt	cagccacatc	tgcaagtaca	82080
agcagaggtt	tccgctcttg	aacaagatca	ttcaggctct	taaagttctc	cccacctcca	82140
cagcctgtctg	cgaagaaaggc	cggagcgccc	tcacagcggg	ccgcacaaaac	caccgctccc	82200
gcttgacccct	ggagcagctc	agtgaacctgt	tgacaattgc	tgtgaacgga	ccgcccctcg	82260
ccaaactttga	tgccaagcga	gccttggaac	gctggtttga	ggagaagctc	ggcaatagct	82320
acacactgtc	agccagaggtc	ctcagtagga	tgtctgcctt	ggagcagaag	cccatgtctc	82380
atgtgggtgga	ccatggctct	gagttctaac	cagacatgta	gggggcttga	gtctcagagg	82440
ccacaaagcc	ggtgaatatt	tttttaattct	atactcataa	gcttttgatat	attatataaa	82500
tatatattat	attatatata	catatatata	tatatatata	taaaactaca	ctgaaattct	82560
tttaaaagact	aagttaatta	tgtccaccag	aagccactgg	cagctttccag	aaaggagcaa	82620
tgttggaac	tgaactcttg	ctccgcactt	ggcagctgca	gctcccaagg	caactccatcc	82680
tcacttacac	gagcgtgttc	tggggccaca	cgtgttccca	ccaaacagtc	aaagcggcat	82740
aagctaaatg	atgattctct	tgtcaacttt	agggtgcttc	ttctgtttct	gtctccatgt	82800
gttggttagag	ggctgggggt	tgggtgcctg	cctctctctt	ttttggtatg	gttttgtggc	82860
gggggcgggg	ggggcggtga	aactttgtgg	tctctctcatt	ggcatcctgg	tccagttaca	82920

ttacatctgg	gtttccatga	gggtgaattg	gatttctgga	ctagactatc	tggtctttct	82980
ccctcacct	gacttcagct	tgggagatct	ttctttgttc	atttctgat	tgattccctc	83040
ccttgcccc	cgtcaaatg	gtcaaatgca	tcaacctccc	tccgctgtga	gccagctgcg	83100
ttccctccc	acccccccc	atgtcgccgc	tccctgtgt	cacctctgcc	aaccttaggt	83160
tgctcagttcc	cttcttcagg	cctctggagt	ttaaagatat	gagctgttac	actgaacgta	83220
attttttttt	cacatacgag	cttgaaactt	gggagtggag	ggagggttaag	ctttatgcct	83280
ccccctttcc	agccgctgga	ggataaagta	tatacttcca	ttcatatctt	gggctgttg	83340
ggagacaatg	agccacgaga	tctaaactcc	caacaggacc	atgattcttt	tggtctaaata	83400
caggtaaaat	gaaaagtgt	tattcaactt	tcacattggt	ttcatcttta	taattatggg	83460
atgtgttgtg	ggatttgtgt	ttcttttcat	aaccaaggag	cagctgtttt	gtagttcaag	83520
ggcagagcaa	tcaacgaaag	tcatgcctcg	ggctacccag	aactcagaga	gtgcctagag	83580
aggtttttcc	ttttgcaaaa	ggctgataat	gtgttcctca	gccttgccag	aaggtcacag	83640
gacaccaggc	agtgtctctc	tgctgtgaa	ctcttcttat	tttgagtaga	gttgagatgt	83700
cctatagaat	aggagaaaac	aggaaatgag	gtgggattct	caaggtacaa	gcatgtatac	83760
atacctacac	acacacacac	acacacacac	acacacacac	accacatgca	catacatgca	83820
cacacaccac	atgcacacat	acacacacaa	cacatgcaca	tacatgcaca	cacatgcaca	83880
cacaccactc	acacacatac	cacatgcaca	tacatgcaca	cacaccacat	gcacacacac	83940
acacacacca	catgcacata	catgcacaca	caccacacac	actttgcaac	tacatataag	84000
ctttagaaat	gcctctcgcc	tccccccata	gcggggaaga	gagtgggtta	aactagagga	84060
gtctgaccaa	tgttcattta	tctaccagta	tacctcgcaa	agagttttca	gaaatgtgca	84120
tgagctgtta	aaaacttctc	tctaatttcc	acatctgac	tgtgtagtct	gtgcagatct	84180
cagaatgtgg	atacagggtt	gtcttgggga	agggaggaag	gtctgaagga	cctgcccctg	84240
gtcagttctg	cagagaactg	tccctctcct	tcagtggagt	attgggggtt	caaccacaag	84300
gaaaggcccc	cgtaccctca	acctccctgg	tggggcctgc	agctatggta	gcttccttcc	84360
ttctgggtct	gtctcacctc	tgaggccctaa	cagaaatgtc	attaacactg	aacacgttgc	84420
taccctttcc	tggttctgca	gtctgtccgt	cctccctcag	agcctccctt	tgctcccatg	84480
gtcttggtgc	taagataaat	ttagaatcat	tgctgtctagc	caatagcttt	tcatgatata	84540
aatattatat	atatatatta	tatattattt	ttgaaatggt	tttgttttca	acagtgatgt	84600
agcatgttaa	aacaagaaac	aaaactgaac	aaacgaaaat	ctgggtcttt	ccaactgtcc	84660
cactgccagg	tctcttaatg	ctgccttctt	caacaagtgt	atacacccca	cctggtgact	84720
ttcacccctc	atctcactct	ggtccccatc	ttaacccctc	acctctgag	caggagaggt	84780
tagcaggaac	taggtaggaa	aactcaaagc	cccttgccaga	ggcctgggaa	tccccagcc	84840
tcagcacctt	tgcccacgct	gagtttgtgt	ctctcttcag	ctgcccctcc	taccccgcc	84900
caagcctagc	tggagccaca	cgggcagctg	ttgcgaagca	caaggtctcc	acttgccctg	84960
ctcctgcctc	aggaccccat	ctcctcacag	acacagaact	tggtctggga	caattttatt	85020
gaaaattgaa	taggcccagg	tgggttcaga	gtagggatgg	gtggcaaggc	tggtctctca	85080
tgggcagcct	gtaggcataa	accgtggcct	gggcccctcc	ttcttgccaa	cagttgcctt	85140
acatctgtcc	ttcccagtg	atggggctcc	ctcacccagg	aagggaacct	tcccagatgg	85200
tcctaagcca	gacatgtaaa	accaggactg	accgtcccct	cccaaggagc	tatagctgag	85260
tgaactcagg	tccctcatca	tagagacagg	ttctgcccagg	ccaagccatt	gttacctgag	85320
tctcctcaag	atacccagga	tcagtggacc	tgtcttgagg	cctagaagaa	tgagctgttc	85380
tggcagtatc	atgtggcttc	agagtcaccc	atctcctcgg	tctctgtct	cctcaacccc	85440
acctctgtcc	tctgtctgca	tgacctctgc	ctcagagcca	ctgagaagct	gagctctaca	85500
cgtgtctctt	gtcagctctc	cgaactctgc	gggtctgggt	actgtgcagc	caagcagggc	85560
tgtgacagat	gcaccatggg	ccactttgcc	tgggatatt	gaatgactaa	gggacactga	85620
ggttgaaacc	cttgtagtca	gcttggtatg	tccctgggag	ggtcagggct	tctgcccagt	85680
gagttccatt	tgtgatgccc	tgtgatttca	gacctgttct	tatctcctc	ttggagaagg	85740
gcttggtctt	gcccacccct	catgtctggc	ccgagaacca	tatgctggc	tcaccccata	85800
tcttggtctg	gttaacagac	tgtgggaagg	tagggcttag	agtgtatatg	cagtcatttc	85860
tgatgggaca	gggactgtaa	ttcagctctt	ggagttagaac	tggtagtcaac	gggcatajaa	85920
tgaatgttat	ctgaggggct	gagacttatt	ctctctgggc	tggtagtggc	tttcatttgt	85980
tcacgttggg	gagagtaaga	agttaggcag	tgttgaagac	tgaggcttgt	ggccatttgt	86040

ccaaatgggt	accttgctga	aacacaggg	tacagtgtgc	ccccccccc	agcaaaggaa	86100
aacaatgacc	actgagacag	gtggaccact	cagctgcgtg	ggcagctcct	gccagtttag	86160
aatccctcca	gagacatcag	agtgcgggca	tcagaggtgc	cagagctatt	gttttataat	86220
gtctgcttgt	ggcatctcca	gctgccttac	ccctcctca	ctggggaagg	agagtgcact	86280
cagctccggg	actctgtgta	gttaagttct	gcctggagcc	ctgaatctga	ggccccagag	86340
cttctgccct	ctgctctggc	tgtgtgttcc	cagcctgcgt	tgttttgctg	aggtttctgt	86400
ttgacttggt	caagtcagat	ctttgatttt	gagcaaggac	cttgagtgta	cttgaagcac	86460
cttttaaagt	cctttcattt	gtgtgaagg	ggaggggatg	ggggaagggt	tgagaggggt	86520
gggtgtggcc	gaagagagga	agaaatggac	tttaagatgt	taaccagcct	gagctggcgg	86580
tcctttgctg	ccccctgga	gccaggtgat	gggggccagg	agatgccgga	tggttggaag	86640
tcttctagaa	cactcctttg	ttttttcatt	tctgccccct	tggaaggcat	ccaacctgt	86700
tttcagtggg	tagtctgggt	taaattctaa	ccgggatttg	tgcttttttt	tttctttttg	86760
tgatccatgc	acctcatttg	gctgcaggcc	ccaggttcac	tgagagctcat	gtgtgccttg	86820
gatctcctct	aagaagcagc	ccagccagac	tgggcatgca	acggaagcag	ggagaacagg	86880
gcctctggag	tgaggaaagg	agggcagagc	cgacagttag	ggtgggatca	cccttttaca	86940
cactgccctg	gattccagcc	tgacggttcc	tcctttcttt	gagggggtgg	ggaatgtgtg	87000
ccgggtgtgc	atggctctcc	tactcggagg	aatgctcttt	tctactctct	tgtagtcag	87060
ggtcacttta	agagtctttg	aggtaatctt	tgcatgttag	tgagagggag	aaaagtgtct	87120
tctggagaga	aaaatagtct	ggcctctctc	tcccatctag	cactctctct	cctcccccca	87180
tcctttcaaa	tggtatcacc	ctagaaatac	ctatgcaatg	cagtctcccc	aggaggctgt	87240
gcatggaggc	aggggtatgt	gcagtgtatc	atactgatgc	taaggcatat	caattgtata	87300
tacggacata	tacagtacgt	atacatgcag	agtaagagag	taaatacagt	ctatatatct	87360
ataaataata	tcctatatat	ttatacattt	ttatgtttta	aatagatata	aaaatagtct	87420
atagagctgg	aaggggtggc	gggaagcctg	gtgctgggtt	gggcttgggg	ggaggagaca	87480
gggctctgga	gaggaggtgg	ggataatgcg	catcagaatg	ggttgctagc	cactgagatg	87540
ggggcatctt	tcttgggggt	ttggagagga	gggtggctga	gcctgggctc	tctctccatg	87600
cactttctct	cctttcctgc	cagcaaaggc	tgagattgga	aggagatagc	cctgagctgc	87660
atgcaactgc	agtaccctac	ctcccagcac	caccagcctg	cacttagctg	ctcactgctg	87720
cttagcagta	gggggttgga	cttggtccct	gacccccagt	gaagggaact	cttgacacaa	87780
ctccccaata	cccgccctta	tcaggagtga	gcagcattga	tggaacgggg	aaaggggcac	87840
ccgggacaaa	ccgtgggtca	gaaagatgtc	agtcaccatt	cccaatgcct	ctgcctaccc	87900
cctggaggcc	aagcctcccc	tgctaccccc	ctggaggcca	agcctctgac	acacagtcct	87960
ggcctccttc	accattttaa	ccactgtctc	tagagcactg	ggagctgggg	agggcggggt	88020
gcacttcagg	tgcacttgat	gcctttcccc	atccaaaggc	ccacactggg	ggaagagata	88080
tatctgcaca	ctgacatttt	caatggcaac	tcaaattcag	gagcagggcc	ttggccccac	88140
cgactctgca	cagctgcagc	agctgtgtgc	tgtaactcagg	acaatgttgt	ccctctctcc	88200
caaaccaaac	aagcagccca	accacctccg	ctgtgtcagc	aggttcaggt	ttagttcaca	88260
aacactgttc	tcattctgtg	accagatacc	caaaccacact	ctttctaggg	agggatatct	88320
cttcagcttg	tcccagga	acacctcccc	cctcaagctg	ggtagggatg	tctgtggtcc	88380
ctggaagtcc	agtcagcttg	ctcccagcat	cctctattcc	ctctctctct	ctggaagtgt	88440
acagggctct	atgacagatg	ccctccctgc	tctcgaggag	cagcctgcct	ttgggctcct	88500
cagacacact	catttcccat	accgagcctt	cgtaggtctc	tccctgcttc	tctccaccat	88560
cctaccacac	gacctcagtc	tccagcagac	cagtcccata	ccacagttga	gaccaggtct	88620
gctctgcaca	tgccgtctct	cttgagccac	agctagctgc	caactgggct	gaacacctcc	88680
tagtgctcgg	ctcagttagg	ttcaggacca	atggcccaag	ccttctctcc	actacaatgg	88740
gtcagagctt	gypcagggga	taggcattcc	cagttagcaat	ccacacatgc	actgtacctc	88800
agagagagag	agcatgcac	agggcatctc	gtggacacgt	ctccatgcag	agagggcaac	88860
ggctcacaa	actgctcag	agaagacaaa	gypcaggtct	tcttagggca	tccctcagtc	88920
taccctttgg	cctctctgga	agaaccagta	atctctttca	gccttgatct	ctctcctctc	88980
ctccaccccc	aagctgctga	accatttttt	atgtcaatca	caaagaaaaa	aaaaagtggg	89040
gggtgggggg	gactcctagg	agcctattac	cacatacata	ttaatatgtt	aatactttct	89100
ttattaaaaa	caattctcaa	tgttattatt	tggcagactg	tgctttctag	tacctgtgtg	89160

ttggggctag	aacactggat	acaaatagag	ctatgctgg	ttataatctg	tatgcagcgt	89220
ctttcctttt	gtcacattat	ccttgtaatg	taagaagatt	attaataaaa	gcattttaat	89280
tgccacccca	agcttggtc	ccttgcttctg	tgacaggcct	ccataagtcg	tgcataccct	89340
gtcaaagggc	tcagggtgtg	gtttggaagg	atcacaggtc	ctcttttagct	ggtctctgcc	89400
ttctcccact	atggcctcat	ttcccactgc	agtccaattc	tggcaggaag	cccctgagca	89460
tgtcaggtgg	gccaaagaag	atatgactga	aaccgtgtta	aacacctgcc	cccatgacac	89520
tggccctgca	agaatcgctg	tggggaagca	tccagggcct	ctgcaaagcc	aatggctcca	89580
gctctcttgc	ttacctgcat	ttggttgctc	tccatgagcg	ggcctgatcc	ccacttagaa	89640
aagtcttaga	actttgttga	tagcactagg	gacagagggt	gacaagcaag	atcttttcca	89700
cattttttta	ggaaggtatt	tgacaggaat	ataggcagta	ttgtgaatgt	agtcaaatac	89760
ctctaagtgc	aggttttatcc	tcttgagatg	ctgaggcctc	tgctctcagt	ccctatgcc	89820
ctaacttcc	catagtgggc	ttccctcttc	ctgtctcctt	acttctgcct	tcttatcatt	89880
agacatctgt	cgttcagcca	agaagcacca	tcaccttgac	agtggccacc	aagcagctgt	89940
tgtgtgatac	tatttatgga	gaagtgtgaa	caaaagtctt	ctcaatccag	atatagaacc	90000
aatagcagac	caaagtaagg	gtactatcaa	agtccaactt	ggtgagccaa	tgagcttatt	90060
ggggctactt	ggagaaatat	gagtgaagac	tttcttacia	caatatgggt	aactcaaagg	90120
ctgctacatt	acccaaagcc	cattccaagg	tgagttagct	catgaaaacc	agaaccttgg	90180
ccatctcttg	gtagcttgca	tcaactcaac	aagtaggaca	gcctactctt	ataatataac	90240
attggagagg	gaggagcttt	agaactctga	ttaagtttca	gggacttctt	gagacttatg	90300
agttgtttat	ttccagagtc	ttaagaagcc	tctctttaga	acctctcaag	tctaatgag	90360
actctattca	ggacgcattg	tttcagttgc	tacacagtac	tctacctctt	cctgccagct	90420
ctttctgctc	tccttccatt	gt				90442

<210> 44

<211> 1367

<212> DNA

<213> Mus musculus

<400> 44

tccccaggac	agaatgactg	agaacatgaa	ggagtgcctg	gccacaccca	aggcggctgt	60
aggggacatg	gtgacagtag	tgaagacaga	ggtctgctca	ccactccggg	accaggagta	120
tggccagccc	tgctctcgga	gactggagcc	atcttccatg	gaagttgaac	ccaagaaaac	180
gaagggaaaag	cgtgacotca	ttgtgaacca	aagcttccaa	caagtggact	tctggtctctg	240
tgagtctctg	caagagtaot	tctgtggatga	atgcccgaac	caaggctccc	cctgtgtttgt	300
gtctgacaac	ccagtgcctg	tgggcacccc	agatcgggca	gccttcacca	ttcctccagg	360
catggagggtg	gtaaaggatg	ctggcgggga	gagcgacgtg	cgggtgtataa	acgaggctcat	420
ccccaaagggc	cacatctttg	gcccctatga	ggggcagatc	tctacccaag	acaagtcagc	480
tggcttcttc	tcatggctga	ttgtggacaa	gaacaaacgc	tacaagtcca	tagatgggtc	540
ggatgagacc	aaggccaaac	ggatgaggta	cgttggtcatt	tcccggggagg	agagggagca	600
gaacctctctg	gggttccagc	acagcgagcg	catctacttc	cgggcctgcc	gagacatccg	660
gccaggagag	cggctgcggg	tctggtacag	cgaggactac	atgaagcgcc	tgcatagcac	720
gtcccaggaa	accatccacc	gcaacttagc	ccggggagag	aagaggttgc	agagagagaa	780
ggctgagcaa	gcccctggaaa	acccagaaga	cccaaggggt	cccactcagt	tccctgtgtt	840
gaagcagggc	agaagtccct	acaagcgacg	ctttgatgag	ggagacatac	acctccaggc	900
aaagaagaag	aaaatagatc	tcatcttcaa	ggatgtgcta	gaggccctac	tggagtctgg	960
taacgtggaa	gcccgcacgc	tggccctgag	caacctccctg	gtcatccgga	aagtccccaa	1020
gtaccaggac	gatgaactatg	gtagagctgc	cctgaacgcaa	ggcatctgca	ggaccccggg	1080
ggaaggggac	tggaaaggtcc	ctcaaaaggt	ggccaaagag	ctggggccac	tggaaagatga	1140
agaggaggag	cctacatcat	tcaaggttga	cagccctgca	gaggccctctc	tggcatctga	1200
cccccatgag	ctgcctacca	cctccttttg	tcttaactgc	attcgcctga	aaaagaaaagt	1260

gcgggaattg	caggcggagc	tagacatgct	taagtctgga	aagctgcctg	agccctccct	1320
tctgccacca	caggtgcttg	agctcccaga	gttctcagat	cctgcag		1367

<210> 45

<211> 3504

<212> DNA

<213> Mus musculus

<400> 45

atgactgaga	acatgaagga	gtgcttgccc	cacaccaagg	cggctgtagg	ggacatggtg	60
acagtagtga	agacagaggt	ctgctcacca	ctccgggacc	aggagtatgg	ccagccctgc	120
tctcggagac	tggagccatc	ttccatggaa	gttgaaccca	agaaactgaa	gggaaagcgt	180
gacctcattg	tgacaaaaag	cttccaacaa	gtggacttct	ggttctgtga	gtcctgocaa	240
gagtacttgc	tggatgaatg	cccgaaccac	ggcccccccg	tgtttgtgtc	tgacacgcca	300
gtgcctgtgg	gcatcccaga	tcgggcagcc	ctcaccattc	ctcagggcat	ggaggtggta	360
aaggatgctg	gcggggagag	cgacgtgcgg	tgtataaacg	aggtcatccc	caagggccac	420
atctttggcc	cctatgaggg	gcagatctct	acccaagaca	agtcagctgg	cttcttctca	480
tggctgattg	tggacaagaa	caaccgctac	aagtccatag	atgggtcggg	tgagaccaag	540
gccaaactgga	tgaggtacgt	ggtcatttcc	cgggaggaga	gggagcagaa	cctcctggcg	600
ttccagcaca	gcgagcgcac	ctacttccgg	gcatgccgag	acatccggcc	aggagagcgg	660
ctgcgggtct	ggtacagcga	ggactacatg	aagcgctgc	atagcatgtc	ccaggaaacc	720
atccaccgca	acttagcccg	gggagagaag	aggttgccga	gagagaaggc	tgagcaagcc	780
ctggaaaacc	cagaagacct	aaggggtccc	actcagttcc	ctgtgttgaa	gcagggcgaga	840
agtccttaca	agcgcagctt	tgatgaggga	gacatacacc	ctcaggcaaa	gaagaagaaa	900
atagatctca	tcttcaagga	tgtgctagag	gcctcactgg	agtctggtaa	cgtggaagcc	960
cgcacagctg	ccctgagcac	ctccttggtc	atccggaaa	tcaccaagta	ccaggacgat	1020
gactatggta	gagctgccct	gacgcaaggc	atctgcagga	ccccggggga	aggggaactg	1080
aagggtccctc	aaaggggtgg	caaagagctg	ggcccactgg	aagatgaaga	ggaggagcct	1140
acatcattca	aggctgacag	ccctgcagag	gcctctctgg	catctgaccc	ccatgagctg	1200
cctaccacct	ccttttgtec	taactgcatt	cgctgaaaa	agaaagtgcg	ggaattgcag	1260
gcggagctag	acatgcttaa	gtctggaaa	ctgcctgagc	cctcccttct	gccaccacag	1320
gtgcttgagc	tcccagagtt	ctcagatcct	gcaggtaagt	tcctcaggat	gaggttgctg	1380
ttaaagggaa	gagtggattc	tgcagatgaa	tctgtctcca	acgacgtgat	gacggcaacc	1440
gatgaaccct	ccaagatgtc	ctctgccaca	ggacgcgcga	tcgggcgctt	caagcaggag	1500
tggctgaaaa	agttctgggt	cctaocgtac	tcccgcagcc	tgaatgagat	gtggtgtcac	1560
gtgtgcgcgc	agtaacaggt	tcagtcctca	cgcacttcgc	ctttcactcat	cggctccaa	1620
cagtttaaga	tccacaccat	caagctgcac	agccagagca	acctgcacaa	gaaatgcctg	1680
cagctgtaca	aactgcgcac	gcacccggag	aagactgagg	agatgtgccc	caacatgacc	1740
ctgctcttca	acacgcgcta	ccacctggcg	ctggaggggga	ggccctacct	cgaactccgg	1800
cccttggcag	agctgctgcg	gaagtgcgag	ctcaagggtg	tggaccagta	tatgaatgag	1860
ggggactgac	agatccttat	ccatcacatc	gcocggggac	tgagagaaga	cctgggtggag	1920
cgcacccgta	agtcgccttg	cctcagcatc	atcctgggat	ggcagagtga	cgaactctct	1980
gotgacacag	tggcgttcta	tgtgcagtat	accagcagtg	atggaccccc	agccacagaa	2040
ttcctatccc	tgcaggagct	aggcttctcc	agccacagaaa	gotatctcca	agcaactgac	2100
cgggcctctg	ctgctctggg	cataccgctta	caggacgaga	agccaaactgt	gggcctggga	2160
gtggtatggg	ccaacatcac	cgcacagcttg	cgcgcacagca	tgttcacgac	cataccgcaag	2220
acgcttccgt	ggctgctgtg	cctgccccttc	atgggtgcacc	ggccccacct	ggagatcctg	2280
gatgcacaca	gtgggaaaaga	gotgcccgtg	ctagagggagc	tggagaacaa	cctgaaaacag	2340
cctcctcagtt	tctacccgta	cctacccagc	cctcatgtgtg	agctgcgctc	caaggccctcc	2400
acccgtgtgc	aggagaccca	attcctgggg	gacatccctg	cagtgcaggtg	gacacattgg	2460
gagcagaatg	tcttgaaagc	ccttatcaag	gactacctgg	aagtgggtggc	tcaactgaag	2520
gatgtcagca	gccagacaca	gcgggctgac	gcctcagcca	tagccctggc	cctgctgcag	2580

ttcctcatgg	actaccaatc	catgaagctc	atctacttcc	tccctggacgt	gategctgtg	2640
ctgtcacgcc	tggcctacat	cttccagggc	gagtacctcc	tgggtgtcaca	ggtggatgac	2700
aagatcgagg	aggcaatcca	ggagatcagc	cggcttgccg	actccccggg	agagtacctg	2760
cagggaattcg	aggagaattt	ccgagagagt	ttcaatggga	tcgccgtgaa	gaacctcagg	2820
gtggcagaag	ccaagttcca	gtccatcaga	gagaagatct	gccagaagac	acaggtcatt	2880
ctggctcaga	ggtttgactc	ccgaagccgg	gtctttgtga	aggcctgcca	ggtgttcgac	2940
ttagcggcct	ggcccaggaa	cagcgaggag	ctcctgagct	ttggcaagga	ggacatggtt	3000
cagatcttcg	accacctgga	agccattcct	gccttctccc	gggatgtgtg	ccgcgaaggg	3060
acggaccccc	gggggagcct	gctgatggag	tggagagacc	tcaaggctga	ttactacacc	3120
aaaaatggct	tcaaagacct	cctcagccac	atctgcaagt	acaagcagag	gtttccgctc	3180
ttgaacaaga	tcattcagggt	ccttaaagtt	ctccccacct	ccacagcctg	ctgcgagaaa	3240
ggccggagcg	ccctccagcg	ggtccgcaaa	aaccaccgct	cccgcctgac	cctggagcag	3300
ctcagtgacc	tgttgacaat	tgtgtgtaac	ggaccgcccc	tcgccaaact	tgatgccaaag	3360
cgagccctgg	acagctgggt	tgaggagaag	tctggcaata	gctacacact	gtcagccgag	3420
gtcctcagta	ggatgtctgc	cttggagcag	aagcccatgc	tgcattgtgt	ggaccatggc	3480
tctgagttct	accagacat	gtag				3504

<210> 46

<211> 63720

<212> DNA

<213> Homo sapiens

<400> 46

aaccctgttg	cagacaggcc	caggcaataa	agcagtgtaa	gaggaaagtgc	agaggtagcg	60
tggatttcag	gacctgttgg	ttcagcacct	caaccgtgtc	agttacagtt	tctgtctctg	120
agatggttcc	caacaccagc	cccttcttgg	attctccaac	ccaactgggt	gtccaacaat	180
tcaattcaat	tcaattctgt	aactatctag	agctgggtga	gacccacaaa	gataagagct	240
cagttacaca	agactgccct	caattcagac	actggtcata	agtcccaggg	gacttgtaac	300
tctgaccaac	ataaatccag	ggctcctaca	aacccttttc	tcaggtgtga	taattcactt	360
gaataactca	caaagctcag	gaaagtgatt	tacttactat	tactggttta	cataaaggct	420
acaactcagg	aacggccaga	tggaagagct	gtgcagggca	aggtgtagag	gaagggaact	480
ggagcttcca	tgttctcgct	ggacctcca	cccttccagc	accttgctgt	gttcaactat	540
ccagaagttt	tctaaatctc	cttcaagagt	cttcacagag	cttcactctc	agccctctct	600
cttgttgcca	gaggccagtg	gttgggattg	aaagttccaa	ccttccaatc	acgtgttctt	660
tctggtgact	cagcctcctc	ctgaagctat	ctgggggggt	ccacctccag	tcattctcatt	720
agcataaaact	caggtatgat	ccggtggggc	tccttatgaa	gcacccaaaga	cactcctata	780
accagggaaa	ttccaagggt	ttaggagctc	tgttttatta	gccagggaacc	agggacaaaag	840
accaaataca	gtcaacccct	cctatccatg	ggcatccatg	gattcaacaa	gccatggctc	900
aacagacttt	ctccttgtga	ttattcccta	aacgatacag	tatagcagtg	atttacatag	960
cattaacatt	gtataaggca	ttataagtaa	tctagagatg	atttaaagta	tatgggagga	1020
tatccaaaagg	ttatgtgcct	atactatgct	attttatata	caggacttga	gcctccttgg	1080
acttttggat	cagagagggg	cctggaaaca	attccctcca	gataccaggg	tgcacaaatga	1140
tgtgtgtttc	ttgtcctaac	acccgtgtcc	cctgtctctga	ggaactcgct	tcattgtgaa	1200
gatgcttctc	gctggggctc	tctgcaggac	atggctccca	cttgcaacaa	tggctgtgtg	1260
ctttctcctt	ctagtcctga	aataaaaagg	cttcccttcc	ctttgatttg	gtcaaaaataa	1320
gtcaaatgtc	tgatcttggg	gggaaatgtc	atgtgtgtgat	taaaggccag	gttctctgac	1380
cagtcatttg	ggaggggagt	ggcattgcta	gaattggctt	agatgaacct	gagcccgacc	1440
ctgggtgttg	gcaaaaggct	ggtgtctctg	aattctcaatt	agttggctct	ataaaggagg	1500
tgtggcaact	gaacaaaagt	caacttccag	tggggagtga	tgaggtaaac	gataccatag	1560
aagccaccag	caggatccac	tgtgagaagg	aaacacataa	aaaagttctg	gttggggcgg	1620
gtagctccag	cctgtaattc	cagcacttta	ggaggctgag	gcagggtgaat	cacctgaggt	1680
caggagttca	agaccaacct	ggtcaacatg	atgaaacctc	gtctctacta	aaaatccaaa	1740

aattagctgg	gcgtggtggc	gcacggctgt	aatcccagct	actcgggagg	ctgaggcagg	1800
agaatcgctt	gaacccggga	ggcggaggtt	gcagtgaacc	gagatcacgc	cactgcattc	1860
cagcctggac	aacaagagag	aaacaccgcg	tcaaaaaaaaa	aaaaaaaaaa	aagttctgcg	1920
ggagggaccg	ccttgggaga	atgtgttcca	ccagccttgg	ccagctatac	ccatgatgct	1980
tagtggcgac	tgccctgtgg	gtaaaagctc	aaaacctcat	tttccatgac	cccagcagga	2040
gcctccactg	gctggacccc	agttcctgcg	gctgcaaaat	cagggactgg	acagggttag	2100
aggcccccat	atgggagttc	cttgccctca	ggaggctcca	gcagatgggt	tttctttatg	2160
tttattaaca	tatatatatt	cagaaaagtg	cacatattgt	aaaagctggc	tgagtatat	2220
tccacaaact	tattataccc	atgggatgag	caccagatg	aagaaataga	acatggccag	2280
aatcttagaa	ctccttttcc	tgcccttttc	cagttattcc	caagaataac	cacaaacttc	2340
acctctaaca	ccatagttgt	ggctgggttg	tttttttttg	taactctatt	taaattggaat	2400
catacagtat	gagtctgtac	tctttggggg	tctcctttct	tttcttggca	ttatcactca	2460
tccagattat	agcatgtagt	tgtagtttgt	ctattctcat	ttctgcatag	tattctatcc	2520
actgaatttg	gtgaatattg	tacagtatcc	tatgatcagg	taggacaagt	gaacaaacat	2580
gtcaaatttc	tttgcttttg	cttaggatga	cggccgctaa	ccagtgtatt	aactctgctt	2640
atcatgcacc	ctgtgtgtat	acaaagaact	aggaagatga	attaattatt	acctaatgca	2700
tgcagtcttt	ttagtagaca	tgatcttcca	aaatgggaat	cctaaacaaa	aataaaaaaca	2760
ggtatgcttc	gggtagagat	atgggggtcc	ttaccgattg	attgattcat	tgagtcattg	2820
attcattcgt	tcatcaaata	tgcatcaagc	gccacttggt	tgccgtgatac	tcagtctcta	2880
atctggattc	ctcctttctc	ctaaccaatt	ggcaggatct	cagcatctaa	tgacaagtgg	2940
gtaaaggcca	ttggaattat	cttcttttagc	aattttctaaa	ctaaatgatt	atgaagaggt	3000
cctctaaaga	atattttaagt	gactattttt	cagaagcaaaa	aagaagaaaa	cagaaatata	3060
caaccctcct	cctgaactaa	ccactagtga	taccttaaaa	tatatcctcc	cagacccatg	3120
tgtacagatc	tgcatcatta	tgtatagact	ttaagtggaa	ttattttgta	cacctgtgta	3180
gtgtgggaaa	ttaaaagtgt	tttaatggaa	ttattttgta	tctatctttt	catagctttc	3240
attaacaaaa	tccttgtttt	ttagagcagt	tttaggttca	cagcaaaact	gagcagaaac	3300
tagagttccc	catacacctc	gccccacac	acatccagct	tcccggttat	taacatccca	3360
caccaaagtg	gaacatttgt	tacaattgat	caacctccat	tgaaacatcg	ttatcaacca	3420
aagtccatag	tttacattag	ggttcactca	tggtgttgta	ccttctgtgg	gttttgacca	3480
atgtacaatg	acatgtgcct	tccattgtag	tatcatacag	agtaatttta	ctgcctaaaa	3540
atcctctata	ttccacctat	ttgttcctct	ctccccgcaa	cccttgccaa	cctctgatct	3600
ttttacagcc	ttcgtgattt	tgccctttcc	agaatgtcat	atagttggaa	tcatacagta	3660
tgtaaccctt	tcagggttggc	atctttcaca	taataacttg	cattatcatt	tagcaatatg	3720
ttgaacgtgt	gttttcatgt	caataaatat	tctctacag	cattgttaat	tgctgtctat	3780
tatttccattg	tatgctaata	tttcattgtg	atatagcata	gcaatttccc	ccatttttga	3840
ggttttaaatt	ctttcctatt	ttttgctttc	aaaaataata	ttgcagagga	cagcttttga	3900
ggtaaatctt	tgcacgcaat	ttaaatacat	ccttaggact	cattccttga	tgtgggcttg	3960
ctcctacaaa	gggtttactt	actttgagga	ttttgatata	tgtgcaaaat	tacctccag	4020
aaaggttaca	ccaatttaca	ctccaaccag	tgggatatga	agtaactaatt	tcccctacac	4080
tcttgccaac	tctgaataac	atcaagattt	tccatctttg	ccaatttatt	agaggagaaa	4140
tgatatttat	ttgttttaat	ttgtatttat	ttgagtatta	atgtcttcat	ggttttccct	4200
aaagcatatt	agccatctat	tggtcttttg	agattgcttg	ttcatgtttt	ctttttatcc	4260
attttttttt	ctattgaggt	aagcatcttc	agagcatata	tttataaaaa	gtatttatta	4320
ggggtattca	ctgtctgtaa	aggccctctt	ctaattgtcaa	acaatttttg	gocgggtgtg	4380
gtagctcatg	cctgtaatcc	cagcaaggat	cccagggcag	atcacctgag	gtcaggagtt	4440
cgagaccagt	gtggccaaca	tggtgaaaac	ctgtctctac	taaaaaaata	caaaaaatta	4500
ggcaggtgtg	gtggcaggta	cctgtaatcc	cagttatttg	ggaggctgag	acaggagaat	4560
cgtctgaaac	caggaggcag	aagttgcaat	gagccgagat	cgtgocattg	tactccagcc	4620
tjatcgacag	agcgagactc	aatctaaaaa	aacagaaatt	tcacccacct	gtgcacatct	4680
gatgtctgtt	atacttttaa	atattaataa	aatgaatgat	aatatttata	gggtacttac	4740
gataggtcag	gcattatgct	gtgttaaaca	gccttatgag	ataggttctg	atatcagtgc	4800
cacaggacgg	atggggaaac	caggtaggcg	tjgttaatgc	agttttctcaa	ggttacacag	4860

tttgtgagtg	gctgtgctgg	tgtaattga	ttaacaaaat	acatggtgac	ataaggtttc	4920
tatgaattca	ataacacttt	taaatacatt	tatcttttgt	gttcatacaca	aaagtattca	4980
tttgcaaate	tgtcttatac	atgtaagttt	aaggcatata	tttatgttct	ctataggcat	5040
gcttgctgag	aatataaatt	caataactcc	ctataataat	tccaagccct	tgcccacctc	5100
tcacatggta	tactgttaag	gactatgagt	tggacctttt	attttacagg	aaagagaaac	5160
tgagggaag	gcagaaactt	tatcagggtc	acctaaaaaa	ctgacagcac	agccagaact	5220
gagaccagag	gcttgggatt	cccagcccaa	gtcaagggtc	gcatgtggct	tgggccagca	5280
ccctaaccct	atgtcctttt	ggtatcaatg	ggaacaacag	agatgctgtg	gtaggtagca	5340
gagtaaaccct	tctagattct	catggtgcca	gcctctaggg	aaaccaagtg	ggcacagatc	5400
cccagtcctc	tggctacact	ggctcctggg	cattccagga	tcctggcacc	ctgccaaagg	5460
tgaaaacaga	gctgcagact	cctgggctgc	attctgcccc	cttcttttgg	gtttgcagct	5520
cactgctggg	tttgcaacaa	gcctaattct	tgcatgtgca	gacttagagg	agccagctga	5580
gagggagcat	tgccagcagc	ttggaatcct	ccatgaagcc	tgccgacccc	ccttccccca	5640
agacttttgc	tgggcaggta	ggactagagc	attcttcaga	aaaggcaaca	ggggctttac	5700
ctgggcccagg	ccttagagtg	tctgctgaga	tggactcagt	gaaggacacc	agcacatgtt	5760
ctccctctct	ctctccccag	tggaagtcca	tttggctcctg	ccacatccca	tcttctccct	5820
ccctgtccct	atggccttta	tcacaagcac	aaaagtctgt	ctatttcaaa	gtagagatgt	5880
ctatggggca	ccttagaggtt	ggaatgcaca	ttagtccttt	gaggtttgat	cctggttctc	5940
cgggcagcca	gctccaagag	tagaaagaaa	ttatatgtgc	atatagtcaa	taaatagggtg	6000
tcagataata	aggactcggg	aactcattat	gtttcccttt	atgctttggc	tgccaggagg	6060
ctcagaattg	aatgaagaac	tcaatcacta	acccttttac	aacagattcc	cggcataacc	6120
aacacccctc	tttctccatg	aggcctctaa	cactatctct	ggttgtttct	taactgtcct	6180
gttttagtatg	tgtttgtttt	ataaaacatt	gcaaattctt	tgtgtggtga	aggtgggatg	6240
tgagagatag	gacataaatg	caaattggcc	acagatgtct	ctactttgag	atacaaagta	6300
atactttgoc	cacagggggg	ggtttgctgg	gaatgattta	agacaggaaa	acgtttatat	6360
gcctcgggtc	ttctctttca	atctcccttc	ccctcctcat	cttctctttt	ctcccttctc	6420
tcctccttct	ctccctgtct	taccctccgt	cctttattct	cttactattg	cctatcctcc	6480
ctccaaaacc	cttcgcgcat	cctctgtgcc	ctctcgtttt	attcctaattg	gggaccacct	6540
cctcctggca	agtatcagta	tttccatttt	gcaaaagaag	acactaaggc	cctagaaagt	6600
gtaagtgaag	tgccatggcc	acactgatta	tcctcccca	cttatcgtca	gaatccggct	6660
ctgagtctca	tgagtctaat	tcctcctac	ccctagtgcc	tcctcctac	ccccagtgcc	6720
acctctgcac	ccttcagtgcc	ccacctgcc	agcatctctc	actacctgct	ctgcctggcg	6780
gagatcaactg	gaagagagct	ccatagggaa	tcaaaccccc	acctgttttt	tcctgctgac	6840
gtctctttca	gagttgagat	tcaccaatggg	accagtggga	cacatcagag	ggaccagtga	6900
gatatgaagg	ggaacatttg	gtgaatatct	actgagaata	tgctgtgtgc	tgggcaaaagt	6960
ggagagtccag	ccaagcaagg	ttctcagggt	gcaaaattga	aagaggttct	cactctcagg	7020
tgcaggtctc	gcaagcgtat	gacctccaga	gtgaaagcct	cctagtacct	ggcttgctct	7080
tccttagtct	tggccctggg	gcccagccct	gttacagggtg	ctggcagttc	aatggtggcc	7140
tgcacctgtg	cctcggggag	cttacagtct	attaagggaa	acagatatta	atcaagtaat	7200
cctgctaaca	aaagacgggt	atacatgtca	cactgcccag	aagtgtgaca	tggggctagg	7260
agaggggtgt	tttgggtggca	gttggagggg	ggcagtgagg	tcctgaagtct	ggataggagt	7320
tcctcaggtg	tcctgcaggc	taggaactcag	caagttccca	ggccccatgg	caggatggag	7380
aatggcctac	aggtggggct	tgtggagggc	agaggggcca	gagcaaggga	gcccctatgca	7440
aagcagtcct	cagcagtcctg	ttccaataaa	ggctcagagt	ttccaaatga	ctgaacttaa	7500
aaaaataaat	cccagccaat	ggagagaatt	tgaagccacc	ccttgatgat	gtcactagca	7560
ctcatcttcc	tgatcagcat	tctttagtgg	gatgtgcaga	gactggcccc	tcacactctg	7620
tcctgtgtca	cgggaatacag	ctatgtctgt	gatagaattct	attattagcc	acattttctc	7680
gatgaagaaa	tgagaacaca	gagaagttag	ataacctgct	gtattagcca	tcctcaggtg	7740
ccatgacaaa	ataccgtaga	tgggggtgct	taaacaacag	ccattttatt	ctcacggttt	7800
tagagcctag	gaagtccaaag	atcagaatgc	cagcctattg	gttccctggg	gtggcactcc	7860
gccttggtgga	tggctgcctt	ctggatgtgt	cctcatgggtg	gagagggccc	tgggtgtgtct	7920
tcctctcctt	ataagggcac	ctaaccctta	tgacctcaat	taatcttgat	cacctcctca	7980

cagccccatc	tgcaaataca	gatactcttg	ggctgagggc	ttcaacatat	gaaggggagt	8040
ggggtccata	acacctgcc	aggatcacac	cgcccatcag	tgggatttga	actcaggcac	8100
tgctgtcca	gtgccaggc	acctaaccac	tgaggctccg	ccccaggatg	tatggtgggg	8160
ggtactgccc	atcccagtg	gagttcctca	gggcagcagg	tgttcaggga	tccttcacaa	8220
atccacaggg	ccttgctccc	acctggcagc	tggacttctg	agctgggacc	tgaacccact	8280
taaggggtgat	cccagcgatt	gttcggtaga	ggactggact	gaggatactg	catggtgaag	8340
ccaacttgaa	acacttgaat	ctgggggttc	agccagtttc	caatttacta	agcagccatc	8400
gggtgtggtc	tgcattgacct	tggcaagtc	gcttgacatc	ttccaggccc	caattcctgc	8460
gccctcacag	gaggcagggg	gccatcccac	aggctttgag	gtcggctcgag	caccagcggg	8520
ggagtcctctg	gcataacgca	gccaggaggc	agtagagtgg	caggcgcccc	aggcgggtgca	8580
ggtgcggccg	cggctgagcg	agcgggtgtc	cgggtgtccg	acgggtggca	gcgcaggccc	8640
tgctgtcgcc	gccacaccaa	ggcagctcgg	aggctgggga	caccgcgccg	gctcgcggg	8700
cgctgtcgcc	cagccctggc	accccccggg	ccgagtgcgc	atcgggcccc	gtgggaggcc	8760
ctggaatgcg	tccaccgct	gacccggagc	gacccccgc	ggcgccctct	cccaccgccc	8820
cgcccgggcg	cccgcttct	cccgtctcct	gcgcgcccc	ctcccgccg	ccagccaaact	8880
gcgtgcccc	agggccggca	agaagccaca	tgcccccgca	aggaatgcg	ggcctggcgg	8940
gcggggggcg	ggcgctgggc	agggccgggc	gggccgggce	gggcagggag	ctccccgcgg	9000
ggaaggctgg	cgagaggggg	agagcccgc	cgcgcccgcc	ccggccgcag	cctacaccgg	9060
cccagacagg	ggcgcccacg	gggcaggggg	cgcgcgcccc	ggcctgggca	gcctctccct	9120
tccccaccgc	gcgcccccg	ccctgctggc	tggaggagg	gggcaggccg	tcacgtttcc	9180
ccgcacccct	ccagtcgccc	gcccgcggct	ttggggcccc	ggtggggagc	agggggctga	9240
ttagccgagg	agcaggggtg	tggccagcgg	ggccccgggt	agttagtcac	acacgccgct	9300
cgcccagtc	cagggccag	cgccgtccca	gccccaggct	gcgtgccacc	ctcgccccga	9360
agagtgtccc	cgggcttggc	atgaggaccc	cggggtgcgc	agggaggggc	tgaagcccgg	9420
cgcggtgggtg	gagggcggtg	agcggcgggc	tggggagtgt	ccccttgaga	gagtcgggtg	9480
gggctggagc	cctggctggc	cctgcgcagc	gccccaggc	cctgcctgta	cctgctctga	9540
gctggcaaa	gggctggct	gcgctcccg	cagtcccagg	gtgaggggct	gcctgtccag	9600
gcgctgagg	ccggttcggt	ctgcccacta	ccccttggcc	caagttgggc	tgagtgtgtg	9660
aacctccct	tctgcctct	tgcagttttg	cgcccaggct	catgtgggat	cctcctgccc	9720
tttgcccttt	ggtctagggg	tccaggctat	gcttcccagc	gcggcctcct	ggcctgagct	9780
gctctaggct	cctgacccca	tggggctggt	ggctccagtc	gtccccagga	ccagcccggg	9840
atagaaaagg	catttctct	tggccgggct	acagctgttt	ttgttgtctg	tgttctcaag	9900
tgcttctct	ggggatggca	gggagggtaa	ccagactccg	cgagaccccc	acttgccctc	9960
tcgcgcgct	actcctcttc	ccctgtttct	ttgatectct	tcctgtgctg	gtcccacctc	10020
ctgcgtccca	ggacagaatg	aocgagaaca	tgaaggagtg	cttgggccag	accaatgcag	10080
ccgtggggga	tatggtgacg	gtggtgaaga	cggaggctct	ctcaccactc	cgagaccagg	10140
agtatggcca	gccctggtga	ggccccgtgt	tgggaaactg	agagggagaa	gtgggagtgg	10200
gaggtgcctg	ggctcgggtg	gttgggaacc	ctgggaaacg	ttctcactcc	ttgcccacct	10260
tccctaacc	tgctcccggc	agctccctgg	cgcaggctct	agaaaaatcc	aaagagtggc	10320
ctaggggagg	ctgtgtctgc	atctcaatcc	tccagttttt	ccaccacctc	ctgcactgaa	10380
cagcaggctg	gctgggaact	ctctgcccac	cccacatctt	ctgggtctcc	tggccaggtc	10440
cccagctttt	gtcccactg	ggctctcaat	ctctgatgac	ttctttgctt	tctttggggg	10500
cctctgcct	ggccagctct	aggagacggg	actcctgggc	catgggaagt	gagcccaaga	10560
aactgaagg	gaagcgcgac	ctcatcgtgc	ccaaaagctt	ccagccaagt	gaactctggg	10620
gtaagtggag	cttggggctc	tgggtgtctc	ctcccttcac	ccccatcgcc	ccattcctgg	10680
ctagggaatt	cacaacaatg	ctactaagat	aggtctctac	ctgcaatata	ccaggccag	10740
gtccaggct	tgtttcgtca	tcattattag	ccatccaaat	ggctattggt	ggcccatttt	10800
tcagatagc	acactgagtc	ttggtgagg	ttagttatcc	caagcctoga	gtcctctggc	10860
ccaaaggggt	acagttgcac	ttggactcca	aagccatgct	cttctctcca	gttttttaaa	10920
acttgagaca	aaggtagctg	ctggcctcct	tgaagtaggc	aggcctgttc	ttggagcccc	10980
caggagaggt	atgggttatt	gctaccgatg	acccctgggg	ctgcagctgg	ctgtccatga	11040
gtgggcctcc	tgtcagcccc	tctacctccc	ccatgggggt	cttacctccc	tgaacaact	11100

gaggeccctcc	cttctcttttc	catccctcca	gtctgtgagt	cctgccagga	gtacttctgtg	11160
gatgaatgcc	caaaccatgg	ccccccggtg	tttgtgtctg	acacaccggg	gcccgtgggc	11220
atcccagacc	gggcggcgct	caccatccca	cagggcatgg	aggtgggtcaa	ggacactagt	11280
ggagagagtg	acgtgcgatg	tgtaaacgag	gtcatcccca	agggccacat	cttcggcccc	11340
tatgaggggc	agatctccac	ccaggacaaa	tcagctggct	tcttctcctg	gctgggtgagt	11400
gtgccctggg	ctattcatgg	gagaggttgc	caagaaacat	ggaaggaaac	caccaggggg	11460
agccatactg	gcccagcttg	gccccagaac	ttttctacca	tcgcttctgg	acctgtcgat	11520
gatggatctt	gctgtccctt	ggccccggct	gagtggctgc	aacgcttggt	gtccaagggc	11580
aatgctgaga	gcacccacct	ggcagtagtc	agcagatcag	gaaatcacca	agcagaactc	11640
agggcaattt	ccccatgaat	cctcatgtgt	gtgtctgggt	gaccattggg	cagtattgaa	11700
ccaaccgata	ttctagagtg	ggtgactcgg	agctgyccct	tggggatgca	gagcatgact	11760
tcccacttcc	aaaccagtaa	tatcaggctc	tgggctagggt	gctgggggta	aacctttcaa	11820
caagacagac	atggttccctg	ccttcaggga	gcagacgata	tggtaggaag	acaggcattg	11880
aacaagcagg	tacacatgtg	atatcagttg	caacacaggg	tactatcaat	agatgggttg	11940
caaagatgag	gaagaggggt	tttcaagggt	atgaggagga	agggttacca	aagcaacttt	12000
aaggaatcat	gcttgagcta	ctagacagag	ataggggagg	gtggggtaat	agagaaaagc	12060
attctagagg	gtaagaagat	ccttattcac	tacaaaaaca	cttcttgagt	atctcctttg	12120
tgccaggcac	tgggctggcc	ctggaaatac	agtgggtggg	cagataaggc	aatcagataa	12180
atcctgcctt	catggagttc	tctgtgggaa	agatagaatt	aatcaaagac	taagacaaat	12240
ccatgtcaaa	taataactct	gaggggtgat	gagaaacagt	gagactggga	aaaagtgaac	12300
aaccaggyga	ggtaatatgg	gtagaggcca	gagaagcctt	cctgctagtt	gagctgtgat	12360
tgaaggaggt	gaatgcctac	caggtgaaga	ttggagaggt	gcattccagat	gccttggaca	12420
gcaagagcaa	aggccctgtg	gcaggagagc	atggtacatc	tgagctactg	gatgaaggtc	12480
agtgtgcctg	gagtgcagca	cacacagggg	cctggagatg	atggaggctt	gattttgtag	12540
ggcccagtg	accaaattag	gacttctgtc	cttttaataa	tgtaggagtt	gggggagtga	12600
cttggtcaca	tttatgtttt	gaaaagatga	ctttggctac	agcctggaga	actgattgag	12660
ctcaggggtg	ctggtcaaga	atgggtaccc	acaccccttt	cccaggttag	agcgtgtggg	12720
agttctgtag	tcggcaatgg	tggaagactg	ggctaggggt	ggggcaaaga	cttggagcca	12780
aacgaactgc	tttgtgaact	gtatcagaga	ggagagctct	gacttagaca	tagactaact	12840
ggcctaagga	agggagcagg	aggtatcaag	gacatctgca	gtctcccaac	aggttgttaa	12900
tgggtgtctt	ctctgagaaa	tgaggagggc	tggaagggga	ctgggttgag	ggaaaaatca	12960
tgatttggtt	ttgggaactg	ttgagtttgg	agtaacaaca	agatatccaa	gtggtgatgt	13020
caagtaggca	gttggatata	tgggtccgaa	gcttggagag	gaggcttgga	gatgttgctt	13080
agtgaatcac	ctgtgcattg	gtggtcagtg	gggtgtgtgg	tgtggagcgc	agaacctagg	13140
gagaatgtgc	tgagtgaag	gtggaaaagg	ctgtgagcaa	gctttgaggg	actttagcag	13200
ttcatggtct	agaaggggag	cttgatccctg	caaaggagac	agagaagggt	tgagccaga	13260
gaggtaggag	ggaaaccagg	agagtgggtg	acctggaagt	caggggagaa	gagaggttct	13320
ccaggccaca	atggctgtca	gtgccaaagt	ctgctgagaa	accagccaga	aagactgaaa	13380
agtgtccctg	ggatttacta	ccagggaagg	catgggtgac	tttagcaaga	gctattgtag	13440
aaagcagtgg	gtctgaacct	gaggcaattt	tgagccccag	cctcctgtcc	ccggacattg	13500
ggcaatgtct	ggagaccttt	tggttgtcac	agctcagcat	aggggttaag	tgctggcatc	13560
tagcagtttg	agaccaggat	tactgtaaac	attttacaat	ggacagaata	gtccctcata	13620
acaaagagtt	atctgcagaa	acctgtctgg	agagtgatgg	gggtggaacc	tgattagcat	13680
ggaggtgacc	aggcatagtc	attttctaga	agtttggtta	cagataagat	cagaagtggga	13740
ggagaaaagt	aagagttagg	tgggaggggt	tgtgttcaag	agagtttgtt	cattagaaaag	13800
acttttagcat	cctcaaaaaag	ccaaggaggg	ggttctgtct	aagtgtttga	gtgtagagta	13860
gagataaagg	atgattccata	accttttaca	tcacctcaga	gggttcacat	ggagatactg	13920
gacaaaaaag	ggggtgggac	agcatcattt	ctgtccctac	agggtttagcc	cagaggatta	13980
gagcagatag	agatagcttag	gtatagtagg	ccacataaat	tccccccaaa	aatgtccctg	14040
tctaatccc	tagaacctgt	aaatatacta	tcttcattgg	agaagggatt	ttttgcacat	14100
gtgattaagt	taaggatctt	gagatgggag	cgatgatctt	ggattacctg	ggtgggcccc	14160
gtgtaatcac	aggcatctta	ataagaggga	ggtgggaggc	tcagagtcag	agagaaaggg	14220

attggaggat	gctgctctgc	tggccttcga	gatagagtaa	ggagccggga	gtcaagggat	14280
gcaggcagct	tctggaagcc	agaaaagtca	aagaaacaca	ttaattccca	gagcttcctg	14340
aaagaatgtg	gccctgccaa	caccttgatt	gtaggacttc	tgacctotag	aactataagg	14400
taatacatgt	gtgttgTTTT	aagccactgt	ggttttggca	gtttattggc	aatttattac	14460
aggagcaaca	gggaactcat	ataggaggct	tttatgtttg	tggggggaca	tctactaaaa	14520
tatgcaggga	ggtggattga	ggtggcctga	aatcgaggag	atcagagaag	gtgagttctg	14580
cttgggatga	gtagagttcc	tggtgcccgt	gagatgctca	ggggagctgt	ccagagcact	14640
ctggtgtgtg	tggctctgca	gtagagagat	gctgggatga	cagggaaaac	taagtatata	14700
aattaatgca	gctgaagccc	ggagaaggga	gggcatttcc	tacagaaaag	gtgcttgggg	14760
aggagagaag	aggcatttcc	tttggaatat	gagtttgagg	aatccttgga	gggagaggag	14820
ttgaggaggc	atggagcagt	aggaggagac	agtaggaagt	ctccttggcc	cccttggcag	14880
gagcagtctc	atgggcgga	gccagattgc	catggattaa	ggtgtcagtg	ggaggtgagg	14940
aaagggaact	agcaagggtg	catggcttgt	tttaaaagtc	tggttgcccc	ctgagcaatt	15000
attatatgcc	aggtgcatac	tggacacctc	tggcatctca	tactcttcc	cgaaaacagtc	15060
catagggtgg	gggttgctgc	ccctcttgct	ctgacgagga	aacacaggac	ccccacagct	15120
ggtccacagt	agaccttggg	ttccttcaaa	gatagtgtcc	ctccaccatg	tgaggacttc	15180
ccttattggg	agacattgct	aatgggggtg	agcagttaat	agctaccctg	agccagtttt	15240
ggttatgtgt	ccaggttcaa	cccaacctca	catacacaga	gcaactccag	agcactaggt	15300
cctgagcagg	gagctctggg	gataacaggg	ctgctgtagg	tttgcgtgtc	gttcttatgg	15360
agcctgtggt	tcagttatga	ggagcagggg	ccatggtgga	taggagggga	ggaagcttat	15420
ttccaaacca	gtaatacaga	ggcagagtat	tgcttggtga	tcgcagtgtc	gcagagggct	15480
gtagcagtag	ggagaggggg	attggtttca	acagggcaga	ttggagatgg	atcttgtctt	15540
gaaggatgga	tagacgttca	acagaggaag	cctatggctt	cacagcctat	tggaaaattg	15600
caggagaaaa	aatctaggac	tgtgccccag	gaatggctat	taggatccct	ttctgcagct	15660
gctagagtct	gtaccttggg	acagcccagc	catggaaaagt	tgagaatctt	taaagcagat	15720
gaaccttccc	aggttggtctg	cctggcacag	gtctacgggtg	agaagaaaagg	aggaatagaa	15780
ggccctgggtg	tttgcaacct	ggttctagac	tagctccacc	agtcacgagt	aggcgtggcc	15840
ccagttcagg	aggtgggact	ggtggcctgg	aggttattcc	ctctgagggt	tcttcctagg	15900
gccttagctg	cagccagcag	ccagcagcca	gcagccagca	gatgggcaca	gggaggcagt	15960
ggttagaggc	tgcaaggcca	tatgggggct	ttgacctttg	ggaacccaag	aggtgagaga	16020
cattgaaggc	ctagagccac	cagatgctta	aagtggctca	agaaaagttc	gtgtgtgtgt	16080
gtgtgtgtgt	gtgtgtgtgt	gtatgtgtgt	gttgggcctg	ggtttttggc	ctccactggg	16140
gaaaagcagg	cgtgaagaac	ggctctgctt	gctctgctga	tgggtaggcc	aaatgggtggg	16200
agagtaacggg	gaaggtgggg	tgaacagtgg	tgctgatttt	tggaccaaga	tctagaagcc	16260
ccatatccca	aataaaactgc	cctcatttct	caagtccctg	cccaaagcca	tactggatat	16320
catctctctt	ggaccttctg	cctgcctgca	aaagctctgg	ccccatttca	gcacaacaca	16380
tttccctcca	cactccctcc	ctcagtatat	gcactctact	ctgtagaaat	gatgggtggg	16440
gtcatgacaa	gcatagetgt	taatgtttat	tgagcaacta	ctatgtgtct	gggtctgtgc	16500
tcagtgtctt	atagcataat	ctcatctgat	cctaacaacg	ctcctgtgac	ataggtatta	16560
ttccatccat	tgcacagctg	agaaaactga	ggcctggaga	ggatgagtca	ttctgcacaa	16620
agctaaaacag	ctgggtgagt	actgagctgg	ggttccaaac	tgtgcagtct	gactccagaa	16680
cctaccctct	cattccggct	cctggccctc	tagctccctt	tacttagcac	gcctcttctt	16740
acctccctgc	ctgggttagac	tctattctac	tcattcttcc	tggccagcac	aagtcccttc	16800
tttgtcttcg	cctaacctgg	aggaaaagctg	gcctgacttt	gggcagagtg	gtacaaggca	16860
tgggctgggg	tcataatgga	ccgaatggcc	atttccactc	cacaactctc	cttctgtggc	16920
tggctgactt	ggcaggagtt	ggacaactcac	ctctgctgtg	ctaggaaaaga	catgcccctt	16980
gctctgtctt	tcctatctat	tggaaattat	aaatgtgtgt	attcattggc	aagatccacc	17040
aggctaccct	cagacactgc	aggccaggaa	ccatgtgtgt	ggcacgaggc	atttgggggt	17100
gctgcgcagc	catgtgtgtt	ggtaaaagag	cagaagacag	aggaagccaa	catgggattt	17160
tttgtctgtt	tgtttttttg	tttgtttgag	atggagtgtt	gctctgttta	cccaggctgg	17220
agtgcagtgg	taagatctca	gtccacggca	acctctgctt	cctgggttca	agcaattctc	17280
ctgcctcagc	ctccctagta	gctgggatta	caggcatggc	ccaccacatc	cagctaattt	17340

tgtatttttta	gtagagacgg	ggttttctcca	tgttggccag	gctgggtcttg	aactcccgc	17400
ctcaagtgat	ccgcccacct	cagcctccca	aagtgtctgg	attacaggct	tgagccacca	17460
cacccggcgg	cgagcacagg	gtttctatgt	aagtttttcg	ttcagacctt	ggcttggtcc	17520
agaagggatt	tagggtagcc	tagcagtata	cataaaatat	accacaatgg	catattaaaa	17580
ctgggagaga	gaaagaagaa	aggaaaacaa	gggtggagac	cctaagtga	gccaggaatg	17640
aagctaaaaa	tgcatactat	aatgacctct	atctgcactt	ttagctatac	aggctccaaa	17700
tctggcagcc	actgggagag	tagctggtac	attctgtcca	taatgtgaaa	aggaccaggg	17760
agctcctgag	gaggtccgcc	cttctggggc	ctgatactgg	ataggtttcc	caggggccct	17820
tataaagagg	acactgtgtg	gtggaattgt	ccactccatg	cgaggcagcc	tccccacctg	17880
ccagactgct	accgttctgg	ggagaagcag	atatgaaatg	gtgttttagt	gtttcccat	17940
tcagctttta	tagtaaattg	acaatttctt	ttaaaacttg	aaagtggacg	tgccagagct	18000
catggcacat	cctccagaaa	agcctctgag	agaccctgag	tgcttagcta	gatgaaataa	18060
gcagacagtt	gcagtgccat	gacatgtggt	ggggacaggc	aggtgttacc	aagttcgggg	18120
atgctcagag	aagtgaggag	taacagggtt	gttcgagaag	aaagaaaagg	ggcgtttgag	18180
acagggtagt	cgtgcagtgt	gtgagcatgc	acgagcaggt	gcttttccatg	cttgcttggt	18240
aattttctact	ctttattttg	aaagttgcaa	actcggttga	aaagttgcaa	gaatagtgt	18300
atgaataccc	tcacacctgc	ctgtagattc	atctattgct	aacactttat	accattgct	18360
ttatctcact	ttctacactt	acaccacct	cacacacacg	tgacacacac	cacacacttt	18420
tttttttttt	cttgagatgg	agtctcactc	tatcaccocag	gctggagtgc	agtggcatga	18480
tctcagctca	ctgcaacctc	cacctcagag	gttcaagcaa	ttttaccacc	ccagcctccc	18540
aagtagctgg	gactacaggc	gcacaccacc	atgtctggtt	aatttttttg	tatttttagta	18600
gagatggggg	tttactgtgt	taccaggtct	ggtcgcaaac	tctgagctc	aggcaatctg	18660
ccgcctcgg	cttcccaaa	tgctgggatt	acaggcatga	gccacgcgc	ccggccatac	18720
attctttttt	tttttttttc	tgaactgttt	gagatatagt	tacagagaca	tcattgacact	18780
ttacctcaaa	acacttcagc	caaattccta	agagcaagggt	gtttctctat	accagggtga	18840
gcaaaactttt	ttttttttta	aggctacctg	gtaaataactt	tcggcttttat	ggactgtgca	18900
gcctctgtca	taaactactcc	actctgcctt	tgacttgcaa	aagcagtcac	agatgataca	18960
tgaatgaatg	agtgttgcta	tgtttcaata	aaactttata	tgaacactga	aatttgaatt	19020
gcatattatt	tcaaatgaaa	tttgaaagtc	atagaaataa	aattacataa	aaataatttt	19080
ttagtcatta	aaaaaatgca	acatgattct	tagcttgca	gctgtataaa	aacagacaat	19140
gggggctgga	tttgacctac	agccatagtt	ggctgacccc	tgagctattt	aaccaccata	19200
taatgattac	accaggaaa	tttgacatgg	atacaatact	gtctcagcta	tagttcgtat	19260
tcagattttc	ctaattgcca	ttagtaacat	cctttgtgtg	tttttcccca	tcagggaacc	19320
gtgcagggtat	cacacattgc	atttagttgt	cacatctcat	tagtctcctt	tattctagaa	19380
aagtctcccc	tgtattgttt	tttttcttca	tgatattgat	acttttgaaa	agttcagggt	19440
agttgtttgc	ataatgttcc	acagttttaga	tttgtctgat	tgtttcttca	tggtggatcc	19500
cgattacagc	tttttggcac	aagcaatgtt	aggtctttct	caagggtgtg	catcaggagg	19560
cacctgggtg	cagtttgtct	tgtctttttac	tcaatggtct	taacaactat	tgatgattct	19620
tgtctgtatc	aattattatt	catggttaaa	atgatttttc	tattttttct	cttctacatt	19680
tattatttga	cattctctctg	tttaaaaaag	atagtgtcca	accttccacc	ccactcaatc	19740
ctcattttaa	gctattctta	gtattccat	gaacatgaat	ttttttttta	ttcaatgtgt	19800
tggaatccat	gtctgtcatt	attcattttg	atgtttaaat	tgccctagat	ttggccagtg	19860
ggaacgctct	caaactggct	ccttggttct	ttgacacatc	cccatcatta	tttttagact	19920
ttttccttac	tttttggcac	aaaaagatat	tcccactgtc	ctctgtagga	gctgtgattc	19980
ctttcagtg	gaaatgggtg	ttaggagcca	aaatctctga	atggtaggtg	tgcaattgct	20040
actgggtgtg	ccttgcttct	aagccaaaat	aggtttctat	attattatta	ttattattac	20100
tattattatt	attctatttt	actttgagtt	ctgggataca	tgtgcagaa	ctgcagggtc	20160
attacattgg	tatacatgtg	ccatgggtgg	ttgtgttacc	taacaacccg	tcattctagg	20220
tttaagccct	ccatacatta	ggtattttgt	ttaatgtct	ccctcccttc	acctccccac	20280
cccgcaacag	gcgcgcgtgt	gtgaactttc	cctccctgtg	tccatgtgtt	ctcattagcc	20340
aaactaggtt	ttgagggagg	gatggatgag	ttgatgcaaa	tgtcctacca	tgtcagaaa	20400
tgagggaacg	cagcatagca	gtggctcatg	aatttaca	ggccctgggg	cacacacgta	20460

acagtcaggt	ggggatggta	ttaatattag	ggtataacag	aggtaccaag	tgtgtttaga	20520
aggaaaagt	gaagatgaga	ctagagtga	agtcactttt	cttgtgttct	cagatgcaat	20580
ggatcataaa	acactgttga	ttcaatatca	gcttttccag	gagtaaaaat	gaataacctca	20640
atccaaagat	tctgaatata	agaagcatta	aatgggctca	gcttgtgtag	ctgtttttata	20700
agtgcctggta	gtttagttat	tgaatcacaa	accaaaccac	agatttcccc	aggaaaatgt	20760
aatatgctca	tgaaccagtt	ctggctggag	ccaagtctgt	acatctattg	tatcagagca	20820
aaagtagaac	atgaaaaatt	attctgaacc	tgtataatat	ttccagtaca	gaccagctcc	20880
taacctgacc	tctctatatt	cttggctttc	cagtcctatt	tactgtagct	gtgtttctca	20940
cacctgaaca	gtgttaagtt	caggtgattt	ttaatgttcc	tggagtcttc	atgttacatt	21000
aattttatatt	tcatgttact	taaaaaggta	taaacatata	gcttggtaaa	cacaaagtgt	21060
cttgtactta	taacttttaa	acaactgtaa	agccaaaaca	agtttacaca	tataaaatta	21120
actacaaaaa	cctcaacata	atacacatta	acaaagtcac	tctaattggga	tagttgatga	21180
tgtgtcactg	aaacaaaatt	gctattttata	aggcgaatat	cgtagtgaact	actgagacac	21240
agcaagagtc	tttggagttt	ggaatgcctg	tacttttgtg	ttcagtgtag	tatctttact	21300
ttctactat	ttgtctctat	ttgaaacact	gggaaatott	ttattttatgt	atgtatttat	21360
ttatttagaa	atgggaactt	actctattgc	ccaggctgag	tgcaatggca	agatcatagc	21420
tcactataac	ctcaaactcc	tggacttaag	ccatctctct	gcctcagcct	ccagagtagc	21480
tgcgatcaca	ggagtgtgcc	atcacaccca	tctatctttg	ttattgcaac	tgccatgatg	21540
tgtcttggcc	tttgcctttg	cggagtgcac	catttacata	ttaagtattat	atctgttctt	21600
tttttgttgg	ctcatagcaa	gtagtccata	ttggggttgt	atgggtcaact	gttggggtaa	21660
aacaagctac	ctaaaaaacc	agtggcatag	aacaagggtc	agcaagtgtt	ctctgtaaag	21720
ggctagatag	tgaatatatt	aggttttgca	cactatacac	tgtctgtctc	aatgactcaa	21780
ttctgccatc	atgggtgcaa	agcagccatc	agtgtgccat	gttccaataa	aagtattatt	21840
atatatagt	aagtttgaat	tccatataat	ttcacatca	tgaatatatt	ttttctctct	21900
gatttatatt	caacaattta	aaaatcattc	ttagcctggg	gggccatgca	gaaacaggtg	21960
gtgggctgga	attagcccac	aagccgtagt	ttgctgagcc	ctgacataga	acgacaatca	22020
tttactcttg	ctcacgtatc	tgctggctag	ctgccgttcc	tcattttctac	ttgtgtatct	22080
gctggttggc	tgcagttttg	ctgacatagc	tgggcttgct	gggctgcccg	gactccagct	22140
gctgggggtt	cttggcttct	ctctctggag	ccaggtctgc	tccagacact	tggagcatgt	22200
ctgttctggg	ccccagctga	aggagcaagg	gctccctggg	ggagcttttc	tacattttga	22260
ggctttgctc	atatcatggt	tgctaataat	tcattggcta	catcaatttc	acagttgaac	22320
gtaaggctca	ggagcaaaga	agtgcaggct	gcctgttaaa	cagtctagtt	cagaatccctg	22380
tggcaaaaag	tggtagggat	ggctgaagag	ctggggccag	ggattcaatc	tgacaaggat	22440
gccacctcag	ccataaattc	agtactcttg	cgggtgcaga	aatctcatga	ggattccccc	22500
atattgattt	ttttaaatga	aaacatggaa	ttaaaaatcc	ttagagaaaa	cattcagatc	22560
ctgagaatat	atccaaagac	cctagttttga	gagacactaa	tttttagtaa	acttccctggc	22620
tttgccgcag	aagatttggt	gtttcttggg	gtttgaaaat	tccccaaggga	gagctctctgt	22680
tgaactaggc	tctctgaacc	taattcagca	ctccaaaacc	cagtgggtcc	tccaaaagatg	22740
ctagttaggg	ttgatgaaca	acaataacaa	caataatagt	agtaacaata	atagctgctg	22800
ttcactgagt	actaaatgat	ttgtatatct	cacaacagta	ctgtgggata	gttatttatct	22860
tctttctttt	tttttttttt	tttttttgag	acggagtctc	gtgtgtgtgc	ccaggctgga	22920
gtgcagtggc	gggatctcgg	ctcactgcaa	gctccgcctc	ccgggttcac	gccattctcc	22980
tgcctcagcc	tcccaagtag	ctgggaactac	aggcgccccc	cactacgccc	ggctaatttt	23040
ttgtattttt	agttagagag	gggtttccac	gttttagccg	ggatggtctc	gatctcccca	23100
cctcgtgata	cgcgcgcctc	ggcctcccaa	agtgttggga	ttacaggcgt	gagccacccc	23160
gcccggccag	ttattatctt	cttttttaag	attgggaaac	tggggottaa	aaggccatgt	23220
taacttatct	agggttatca	ggtcatttat	ggggccaggga	cttttaacta	gatctccagc	23280
tcacatctct	caggccctcag	atgtgaatat	ctagaatgac	ttcctggcat	cccattgctg	23340
gttttcccac	ttgatggaa	acctgtctct	ttaggggggt	actgttcaag	cataggatat	23400
gtaggacgta	agatcgctcc	cttctctctg	tttgattggg	aacaatgaac	ctttggcaga	23460
ttttattttt	taacagcttt	attgagatgt	aattcacata	ctatataatt	caccatttta	23520
aaatgtatga	ttcaatgatt	ttgactatat	tcacaggtat	gtgcaaccat	catcacagtc	23580

ggtttcatca	aatcctgtat	cctctggctg	tcgttccctt	cttccaatcc	ccttaaccca	23640
catcttcaac	ccctcaccoc	caccatccc	taggcaacca	ctaactact	ttctgaccct	23700
atggattttt	ctattctggc	ctttcatata	aatgagatta	tgtagtatgt	ggtctttgtg	23750
acaagcttct	ttcacttogc	ttcatgtttt	caaggttcat	ctgtgtggca	gcatgtatca	23820
ttccctttta	ctttctttct	tttttttttt	ctttttttat	ctgagacatc	atctctctct	23880
gtcaccagc	ctggaatgca	gtagctcgat	cttggtctac	tgcagcctct	gtctcccggt	23940
ttcaagtgat	cctcctgcct	cagcctccca	agtagctggg	attacaggtg	tacaccacta	24000
tgcccagctc	tttttttttt	gtacttttagt	agagatgagg	ttttgcatgt	tggccaggtc	24060
cgtcttgaac	tcctagcctc	aagtgatcca	cccaccttgg	cctcccaaag	tgctgggggt	24120
acaggcatga	gacaccacac	ctggccgtat	cattcccttt	tatggcctaa	aaatgttcca	24180
tatattgttg	atctcttcat	ccattgatgg	acagtctctg	ccttttgggt	attatgaata	24240
atgctgctgt	aaacattttgt	gtacaagtgt	ccatgcggac	acgtgttttt	atttctttcg	24300
ggcataatac	ctaggagtgg	aatggtaact	caaggtttca	tcatttgaag	atctgccagg	24360
ctgtttttcca	aagcagctga	tcaattttgc	tttcccacca	gttgatatatg	agggctctga	24420
tttctccaca	ttcttgtcaa	cccttgtttt	tctctgactt	ttttattcta	gccatccctag	24480
tggtgttgaa	gtgatacctc	attgtgaagc	atgaggggtt	tgtctctgct	ttttctctatc	24540
tcttgttcat	ttcagtgggt	atttggggag	agctacccag	gatggatgog	ccggttgtgt	24600
acttaacagc	tccatgggggt	gcttttcatg	tcagccctgt	taactacgtt	cttctgccag	24660
gttaacttgg	aagactcttc	caatctgcag	catgataatt	aaagtgtatt	tctatctgat	24720
ttctctctgg	ctcattccag	tttacatttt	tgtctgcccc	taaataggca	gcaaactcct	24780
gatccagata	ctcctggatc	tctctctcac	ccttgcccaa	gaccattcat	aaaaaggcat	24840
aactaagaga	tgggattgag	gocagtctgc	ttgacagctg	cttctctagt	tcttccccaa	24900
gggtccaaac	tagtactcag	aatgctattg	cctttcacca	ggagcctgcc	tccttaacca	24960
ggagagcaag	gctgtgtgtg	gtcagggtag	cgggtgtgtg	gtcctgaggg	tgggtccatag	25020
tcctggcacc	ttttacaggc	agaaaagaag	gacttgtgaa	gggaagagct	gtctgagttg	25080
gttataggct	ctgttccctg	attccgatcc	tggctctacc	acctgcgaga	aatgtgtott	25140
tgggctgctc	acctattctc	tccgagctcc	agtgttttta	tcataaaaat	gaggatgcac	25200
agcctaattg	aacacacccc	tatgagttgt	tgtaaaatact	aatgcttgtt	gcatgcctag	25260
tacttagcat	gtgatgagca	gatcacagcc	agcttttagta	tcacacagtt	tcatcagatg	25320
ggtttcagga	atgggtgagg	gtgggagggt	aaatcaaagt	gtataaaaacc	tggatgtgga	25380
atlttaggatt	gtttgtcaac	atgcctcatt	aactaggtct	ccagagtott	tttaagcagt	25440
aaaaagaagg	aaattctgcc	atttgcaaca	acatgggtaa	acctggagta	cattatgcta	25500
agtgaagtaa	gccagacacg	ggacaaatac	tacctgatac	cagttatagg	aggaatctga	25560
aatagtcaaa	ttcatagaga	cagagagtag	aatgggtgggt	tccagtgggt	gggaaagagg	25620
gaaataggga	aatattagtc	caaggggtata	aagtttcagt	tatgcaagat	gagtaagtcc	25680
cagagatcta	ctgtacagca	tagajcctat	agtttactgt	attgcatgct	taaaaatttg	25740
ctaaaagggt	agatotttatg	ttaagtatta	tcacaataat	aataataata	agagcaggag	25800
gaatcttttg	gaggtaattg	atatgtttat	atcatagttt	gtggcgacgg	tttgacaggt	25860
gtacaottat	ttccaaaactc	atcaagttag	atatgttaaa	tacataacagc	tttttgtatg	25920
ccagtcatac	ctcaaaaagc	ggtctaaaacc	gaaaagaaat	ttgaaaaaag	gacgagttca	25980
tgtcctttgt	agggacatgg	atgaagttgg	aaaccatcat	tctgagcaaa	ctatcgcaag	26040
gacagaaaac	caaacactgc	atgtttctcac	tcataggtgg	gaattgaaca	atgagaacac	26100
ttggacacgg	ggtgggggaa	atcacacac	agggcctgtc	gtgggggtgg	gggaaggggg	26160
agggatagca	ttaggagata	tacctaatgt	aatgaogag	tcaacgggtg	cagcacacca	26220
acatggcaca	tgtatacata	tgtaaacaaa	ctgcatgttg	tgcacatgta	ccttagaact	26280
taaagtataa	taataataat	aaaagggaagt	tttggattaa	taaaagggaag	ttctcatttc	26340
cttatcagtt	aaattagggc	agatgggtta	aatcatgggt	cctgagcttt	tttgaatcac	26400
ctaggaagtt	atactcagct	gccaatgttc	acaaaatgtt	gcacacattt	taagggatgc	26460
cccctttccc	agacaccagg	ttagaaaact	agagcatgga	taatctcaga	tgcctcctac	26520
tagcttaagt	attcttccact	ccatgtctgt	ggccatagca	gaggccagag	ttcaagttca	26580
agttcaggtt	atctctatct	ctcaggtott	cagttgggtg	ggctggggag	tagctagaga	26640
aaagaagtga	tgcctctctg	ctcctggggc	ttgggagagg	agcattttgag	gtatgcacaa	26700

gtgcttcac	aactgtgaat	ggcttcacca	gtcattcttg	taactacttt	gctctatgaa	26760
gaaatgcagg	attgaattat	gaatgcttta	tggattcaat	gaattcctgg	aaagttgcaa	26820
acaaatcagg	tttttgaaaa	tccatctctg	cagcatctgg	tcatgacacc	atttagagga	26880
gccaacag	gaatcttcga	ctggggcaga	cagacattct	gttgcaaagc	agagcattct	26940
tccctattaa	aatgccaacc	tgcagatagc	agatttgctc	agaggcaaag	ctggaagtcc	27000
agagaggggc	ccagaagagt	cctgggtgat	tctgggtttc	aggaatgggt	gaggggtggt	27060
aatggagtca	ttaggaaaat	cttgggggcta	acatccattg	ctctacaaag	tggttaaaagc	27120
atggactgta	ctgtcagaga	cccaagttta	aactccagct	tcccgtgtgg	aaaattccct	27180
tgtggcctca	ggcaggttac	caacagccct	cagcctcagt	tttccaatct	gtaaaaggag	27240
gataatcata	gtagctgtga	gaattaatag	tgtgtcaaag	cacttgacat	agtgaaggta	27300
ctccataagt	ggtagctggt	aatgaggctt	tattttttatt	gtctttatta	attattacca	27360
tgggtctaaaa	tagcatgtgg	atccacctgg	accatgcttc	gctcaggggg	ccaaactcca	27420
tgctttttatg	ttattttttat	gagcatctct	cagtcttcat	tttagacaga	acttttgagg	27480
catttaggac	agatttccac	tgagtggagga	agtccttttt	tcagcctccc	tgctagcaaa	27540
tcatcccttg	gttgaacact	cccattaaaca	ggaagctcac	cacctcacag	ggttcttgctc	27600
ctatcttagg	actcttctgc	atgttagaac	atcacttttt	gtgctgagtt	caggcctgta	27660
tccctctaga	tgcatgcgcg	ttctaaccat	cctgtcccca	cgacatggtc	gtccttccca	27720
catctgatga	tgatggctct	gctttctcag	gcctcttctt	ctccaggcta	agggagcctc	27780
tcaccatgca	ggttccccag	gttatcagcc	tggttccggg	ttatcaaagg	ccttgtaacca	27840
caatgctcag	agcttctggg	ctgggtccaaa	gtgctgagtt	cagagggacc	aaggagttga	27900
ccttgaggga	taaggcaagg	gaagtcactg	ggagaccagt	cttctggggg	gcttgctcctg	27960
agcatctggc	cctgctgtca	ttcctggacc	catgtcagtc	ccagaatagg	aagcccacag	28020
cctgctctct	actcaggatg	gcctgggctc	atcagtggca	tgtaacgtgg	tcacagggcc	28080
ctgcgagatc	ctgcctgccc	tgcacctctt	gcctagggca	ccatctctct	cttctctaa	28140
atctcagctt	agactccatg	tcccagaaaa	aggtcctcag	tagattccca	gatccagggc	28200
tgcagctcag	agatcccata	atcccacata	attctccacc	atgggactgg	ccatgccata	28260
tcacagtggc	ctctcttctg	cgtcccgcta	ggctgtgagc	tttctaagag	caaagacact	28320
ctctgcctgg	gtcaacattt	tatcccacaga	gcctgtcact	gtggcctctc	cctccatgac	28380
atltgttggt	tgaatgaatg	aatgagtga	taaatgcttg	atatgagaca	atcccatttg	28440
gtgggaaaga	taagccaaaa	acacctgtca	gaaaagctct	agacctgaac	ccagcagaca	28500
gtggtctcag	gcggttccca	tgtccttcac	agcctccacc	cagtccctctc	tgtccagatg	28560
aaactgcca	gactgattac	aactcagttg	tgaaccacag	gcctcccacc	accccacatt	28620
agtaattaat	atttgaactc	ttaataatcc	cgattatgat	cacagtgtca	acagtgaactg	28680
ttcactgagt	gtcttccact	tccattatga	cagcagtgtc	acaagggtgg	tttttatcca	28740
atlttataga	taaggaaaact	gaggcatggg	cagcaaatgat	ctgcccacag	ccactcagct	28800
tgtgtgcagt	gaagctgaaa	ttctagccaa	ttcctctggc	tccatggctc	ttactaccc	28860
ccatgtgtctc	ctactactgg	ctgtaggaac	tagagatgtc	tctctttctc	cccaggagac	28920
aggggagcaa	tcagaaatga	taatgtaggg	ggagtgtgtg	tatgataaaa	tccagggctc	28980
tctgagatctc	caggggaggg	tccctgcaga	ctggagcacc	acttggggaa	actgccatgg	29040
aaggggaagc	ttgagttgca	tgttttctct	ttttagtttt	ctgagatttt	taaaacacaa	29100
aggcagtaca	gtcttataga	caaattaagc	aaaagcatcc	ctgcttccct	cttctccctcc	29160
ctccagagta	atgagagtgt	agattttgat	gtgtatctct	tagactatct	atgtcctagt	29220
aaacatgcac	agtgggtgtg	tggttagatg	ttacaaactga	tggtgatggg	gatgggtgatg	29280
gtgaggcaat	gtgccaat	ccatgggtga	aatgtctccc	ccatgggtga	tttcaagcta	29340
ctagcatgaa	atcactgaat	gtgcaattgg	gaagaaatat	gcaatcgcaa	ctattgtatg	29400
gtattttctac	tctgcagcta	cagttagagg	cagtaacctc	gagagcatag	aaaatccatc	29460
gtcaaatgta	gtaaaaataat	tgggaatggg	taagttttga	gtattttattg	cttcttcaaaa	29520
atatatcatt	tattgaattg	taagttttata	tcattttagtt	tttcaataat	ggctgtgttt	29580
gacaaactgg	tcacaaaaatt	cctgaaaaatt	taacagtggg	ctctcagtca	acataagctg	29640
gctccagcat	agcactcatt	tcattttctac	taaaatcttta	acattttcata	attttttctt	29700
ctttctctct	tcctgccttc	cttctctctt	tgtttctttc	cttctctctt	tcctctctctc	29760
tttctctctt	tcttttcttt	tagaaacagg	atcttgcttt	gtcaccctgg	cttgagtaca	29820

gtggcacaat	catggggttac	tgcagcctca	aactcttggg	cttaagcaat	cctcctgcct	29880
cagcctcctg	agtatctggg	accacaggcg	tgcactacca	cacttggcta	atTTTTTaaa	29940
aaattctttg	tagagaggct	gggcgagtg	gctcatgcct	gtaatcccag	cactttggga	30000
ggccgaggtg	ggcggatcac	gaggtcagga	gatcaagacc	atcctggcta	acacggtgaa	30060
acgctgtctc	tactaaaaaa	aaacacaaaa	aaaattagtc	aggcatggtg	gcaggcacc	30120
atagtcccag	ctacttggga	ggctgagtca	ggagaatggc	gtgaacctgg	gaggcggagc	30180
ttgcagtgag	ccgaggtgca	ccactgcact	ccagcctggg	tgatggagcg	agactctgtc	30240
tcaaaaaaaaa	aaaattcttt	gtagagacag	ggtctcgcta	tgttgcccag	gcttgtctca	30300
aactcctggc	ctcaagcaat	tctctggcct	cagcctccca	aagtgatggg	agtacagggtg	30360
tgagcatcac	acttaacca	tttttttctc	tttaacttgc	tttttactta	aaaggctctt	30420
tttcccatca	ttctttcatt	caaccagtat	tccaccatgt	gccatgccct	ccttgcgta	30480
ggaaccaggg	ccaccattgt	gatcagggca	gccacgtgct	ttgcactcat	tagcttacgg	30540
tctagccagg	gaggcagtc	gttaccaaa	cgacaaatag	atatcaacaa	aatgctcact	30600
gcaattaggg	ctcttaaggg	aagttacagg	atgatgtaac	agagataatg	ccatgataga	30660
ccagggatga	ggtatggcca	ggaagaactt	cctttaagggt	caaggctagg	agaggcttct	30720
tctgtcaaac	tcacataatc	tgagacccaa	aagstaagaa	gggaccacat	attcaaaagt	30780
tagtgggaaa	aaattgaaaa	aggatatgtt	cacttgggtg	ccatttctgt	aaactttaca	30840
cacatgcaaa	cagtctgtga	tgttgctctt	tgaaaagtcc	ttgtgtcata	aaaatgggaa	30900
ggcttcccac	catctctagg	atgggtggtta	ctcttggagg	gaggaaagga	aagagaagaa	30960
gttgagggca	gagagggtct	tccactgcct	ctcagcattt	tcttgaagca	aaaggagaga	31020
gaggcctgag	acaaatataa	ctcgtgttaa	tttttcttgg	ctttagctga	tgggcacagg	31080
gttgctcagct	gcattcttct	ttataatttc	tgaatgcttg	aaatatattca	tgattattgt	31140
tatttttaag	ggtagataaa	agaggctcta	ggctcacctt	cagggcacat	aggctgcaga	31200
aaagtgaaaa	ggaagtgaga	ggcccagggt	aagttcgggg	gcaggcctgt	agggtatgaa	31260
ggctgtggcc	ataaatatga	gttttattgt	aagtgcagtg	gatgccattt	tgagctgggtg	31320
cgggacatga	tctgatttac	attgataaa	ggcttctctg	ctgctttgaa	gagaacgatg	31380
gaggcttatg	aatggcacta	ggttaggtag	gagttcaggc	atgggtgacta	tccatctgtt	31440
tcccatctcc	caggagttct	cccaggctct	gcttcaccaa	gtcttcaggg	gaccaacctt	31500
gatctagctc	atgtgtcaaa	acttatcaag	ttgtacctta	tatgtcaatg	atgcctcaat	31560
aaagctgtta	gaaaggaaaa	agaaggaaac	tgtcactatg	aaacagaaag	aggcaggatg	31620
tataaaaggg	tggacctgaa	aaaaaaacta	attaaaaatt	ctgggaatga	aaaatattca	31680
tcaaaataaa	ggtactcatt	aaaaaaaaaa	acaaagaaag	ttggaaaaaac	ctcagtagat	31740
gggagaaaacc	ccggattaga	cacagccaaa	gagataatta	gtggactgga	agagagctct	31800
gagatatttt	tccagagagt	gcccagaata	ataaagagaa	aaatatggaa	gagtagttaa	31860
aagacatgaa	ggatatattg	agctaactcc	ataatttttt	tttttttttt	tgagatggag	31920
tcttgcctgtg	tcacccaggc	tggagtgcag	tgggtgcctc	ttgactcact	gcaagctccg	31980
cctcccggtt	tcacaccatt	ctcctgcctc	agcctcccaa	gtagctggga	ctacaggtgc	32040
ccgccaccac	accagctaa	tttttttttg	catacgtgtt	taacagaaat	tgtactgaaa	32100
gagaatggag	aaaatggcgg	agaagctgta	ttcaaaaagg	taatgaactga	gaatttttca	32160
gaattgaaaa	ggatatgagt	cttggagttg	aaagggtgtc	atcaagtagt	aaggagaatt	32220
tcaggaaaagt	aaatcttcac	ttcaaaaacc	catagcaaaa	ctgcagaaaa	tcaagagtaa	32280
aaggaaaagt	ttaaaattta	ccacagacag	attatccaca	aaagaacaa	attagactga	32340
cagctgttgc	ttttgcggcg	atggcagttc	tttttagagt	cttcagagtg	ctgaaagaaa	32400
ataaaaactta	gcttagaatt	tcatacccag	ctgaactctg	attaaagagt	gatgatgaaa	32460
tgaagagaaa	accagccagg	ttcaaaacct	gaggctcttg	aacatttaga	ggttggggag	32520
aggaggaacc	ctctcaaaac	acatataatt	agtcattccg	cagtggcctc	tgtctccac	32580
agaaactgta	aggagagaa	gatttggtta	gctttgttag	ttgcagtgcg	aggccagtg	32640
aaaagccctt	tgtcagccat	gttgctgagt	attccatcaa	gacagaggag	ggagatggtc	32700
ccatctgttt	cccatcttcc	aggaattcaa	aacacctctg	aagggttttg	tgtgtctagg	32760
agaataggat	ctccagtgtc	tctagaagaa	tgggaatggg	tggagggcag	gtagcagaga	32820
ttctgaaccc	agcctgcact	tcagttctgt	agcagtggtg	acatttcagg	gggaggggga	32880
gggagcagg	gggaccaggc	cctgggcctt	ggttgggaag	gagcccagg	acatgagaa	32940

ccctctagaa	tggcccatcc	tagactcttt	ctctttcttc	cagattgttg	acaagaacaa	33000
ccgctataag	tccatagatg	gctcagacga	gaccaaagcc	aactggatga	ggtgagccct	33060
gctctgtctga	tgtcccgggg	gtcttgccgtg	gcctctggaa	aggagccaag	ggagtgtgtt	33120
ggacctgtgg	gagctccagt	ggtggagact	tctggaggct	gccgtttgca	gggtttggat	33180
gcatctagct	ctgaaggacc	caccttttcc	cctaggccctc	catcaggggg	ctctagagga	33240
cggcgtgtgg	tcaggccggt	gggatgcagg	gaccgctcgg	gctgctcact	tgccagtgtg	33300
tctggagggtc	ctgggccccca	ggctcctggc	agcattcccta	gggaggagga	ggagactgtc	33360
ccccacctag	gactgtgaca	cctcagagca	ggctcctgca	ggggtggtgt	gagaatcgct	33420
ccagtgcagc	cccagcagtt	gtttaaacag	cctccatgga	agaaagggct	ctgacaaagt	33480
cttcagctca	gtttttgaca	gtgttgctgc	ctatgtttga	gtactttgaa	gtgtcaactt	33540
tacctgttcc	cgggtgtttgg	gacagaattt	tgcaccagaa	gttttcttaa	atgccaaacca	33600
gaggaggcag	gagactggcc	ccaggcaggg	tcacccaggg	atggctgagc	tgagcccaga	33660
accatgggtc	cagcgtgatg	ctgatggtct	gtgccatgtg	cgagggactc	tgccctggtg	33720
ggtttgtgga	caggggtggg	agatctgaca	tgccctgttg	cctgcttggt	ggcctctctc	33780
tgggacctag	gagcactggc	tggagatttg	gatctgggtg	ggaggggaag	gaagccctcag	33840
atgtctggag	tcaggggcac	agccacacca	tgggcctggg	gccctctgcc	ggcatttgca	33900
cagttttctg	acccatgggg	ccttgaggct	ggtggtggga	ttgtacttgg	agagagggca	33960
acttcctaaa	aaggagtgtg	ctgtcttaaa	ctcggagact	ttctaagcaa	atgaggagaa	34020
gcaggtttga	ggcgtagagt	atgtgatgag	ggctcctgtg	tccttcccag	tggtctccact	34080
gcccacctat	actcctatca	gagagtggct	gagcagcagt	tcacacctcc	cagattactt	34140
tagcgttcgc	cctcttatgg	gttagggaag	gtgttctcat	tgccgtttga	tggtgtcaga	34200
acagaggctc	cagagaccag	cgggccccct	gccttgccagt	gtggagaata	gcaccgactg	34260
cccccaacct	ccttggaacac	agctgatccg	acactgccct	gaaagtggcc	ccagggaggt	34320
ggcttgacac	cctgactgcc	ttctcttctc	actgccacgg	ggtccaggtc	agctgagcac	34380
ttacagttca	tcacctgtgt	actgagcacc	tagtttgagt	cagactgtga	aatgggtacc	34440
aggggtggatc	accagccct	gccccaccac	accccatgcc	ccacccccgc	tgcccttcc	34500
cgggctcaca	cctcctacca	cagagggtgac	tttccagtgt	agtttttgca	ccgaggcaca	34560
atgtgctgca	gaggcccaga	tgaagagga	ggggttcggt	gacatgggoc	ttcaaagggg	34620
ccaggattgt	gtctggggac	actgggttgt	ggtgtctagt	caggctgttg	ggcggtgct	34680
cagtttgga	cccaagcctg	tgctgctgtg	ctgcctgcc	tgtggctgca	gcctggctcc	34740
aggcaagcag	gggagaccgt	gcgtgtgtcc	acttgggaat	caggctttct	gtgctattgc	34800
ttttaaggcg	ccgggagctt	tgcccataga	accgaatctg	ttccactctt	tcacccatct	34860
ctgatctttc	cccttgggga	caaggccttc	tcaaaaacccc	aaaaaagggg	agctatcate	34920
caaactaact	tatctatcct	ctggcacccc	gcagattgtg	acttaatttg	gctggggatt	34980
ggccttgggc	cttgggtattt	ttaaagctag	tgattctgat	gtgccactag	cattgagaac	35040
cactgctctg	tacagatcct	catgccacag	tggtcaagct	gagagcaggg	caaggtcttg	35100
cttaagagca	tacagtcagg	gtagcagaat	caggatttga	actcctggct	ctgtaatcct	35160
aggtcgggtg	tcttcctgct	tgtgcacaag	ggaccagggtg	aagcgtggct	tcttgggctc	35220
ggatgggcac	tggtgagcag	gggtttgggg	gtttctgcta	ctggccacctt	gctagcatgg	35280
ttctgtgctc	gttctgctcc	cagcctgtcc	tgattcaaga	tggcatctgg	gtagtcacag	35340
ctgggtgggt	ctcatcttat	gaccactcaa	agagcagggtt	tgggttaggg	atgcagtttg	35400
ttgccacgga	gacgcccctc	ctgttgctgt	tggagtgaag	ggaaagctgt	taatcctggg	35460
aatcctcctt	tcccttcctg	tccagcttcc	gtgggtgtggc	tctttctgac	ttgcagatgc	35520
tctcctttgc	actgtcatgg	cacgccttgg	ggatgattga	atggactctg	ttagtttctt	35580
aaacaaatta	atgggtgggc	aggaggcgaa	tgggcaactgt	cgtgttgagc	ttatctttat	35640
gacagcccca	tctaggtgat	ctgtctgtgg	tggttctcaa	ccgagcacta	ttttgtgccc	35700
ctggggggcat	ttggcaaggc	ctggagacat	gtttgatggc	tgatgctat	cagatagaag	35760
ccaaggatgt	tgataaaaatc	ctgcattaca	caggacaccc	cctcccccca	acaaaaaatt	35820
ttctagcccc	aactgccaat	agtggcaaga	ttgagacacc	cacattaagt	cctcctgata	35880
gccttgagca	gtgacaactag	aattgtcaccc	ctagttttat	ggagaaggag	actgggttca	35940
cacgagtccc	atggcttggc	ccaaggagac	tcagtctcta	gttccaggtc	tagtcccata	36000
ttcctgccac	catcttggac	tgggtaatga	ggccccacgc	cttcttccca	tcttctgggc	36060

cctggtgttt	tgggtgcttg	agtaggaagg	tgagggctga	aggatgttgg	tgccgcccgc	36120
cttccccctct	tggtttcaga	aggaaaccaa	ggagtgaatg	cgctctgagc	tttccctccat	36180
accctcatgt	cctctcttgg	gtggattttt	taacctttta	tcactagtta	aaaggggtgac	36240
agagccacga	tgtggagaaa	tcaagttcca	aagccagagc	aggagccaag	tgggatggaa	36300
gggccatgct	gtgccccttg	cccagggcct	ctggctgctc	agttgagagg	gaatcccagg	36360
tccccctggt	gtccacccaa	gtggaacttg	actccctcag	gacagtctgt	ggcttctcaa	36420
attctacca	aaagtcacag	cagcccaccc	ccgaagaaag	cactcccatg	ggaaggaaac	36480
ctgtttgcct	gcacatatgc	aaaggtgggg	gcttgagaaa	ctgaccggga	cggggaaggg	36540
gaagagagcc	actaggcaga	ataagctttc	tgtggccaca	ccctaatacat	ggcattgtca	36600
ctgctacacc	caacggtagc	cagtgtaaat	agtttccctg	gttaactgatt	cttccgagcc	36660
attcattcag	ctgtagggct	gtaggtaaat	atcgctttat	agaggcaatg	ggctaatact	36720
aatttcaata	agatccctta	ctgctatctt	taagagattt	taagcccctt	acatcatgat	36780
gtttttccct	ccttagtaat	aaacccgaag	agttgtgggt	gttattcttg	acagggagaa	36840
taaggtgtga	aaggttgaac	atgaactgcc	ctagctctca	ccgctagtaa	gagctaaagc	36900
aggccctgaa	accaaggcct	tcgactctga	gttcagtgtc	ccctcccatg	taacgcctgc	36960
tcttctttcc	accctccctt	ccgaggagta	gtggaaggga	cctctcagta	ggaggagggt	37020
gtggtggggg	ccaggttgcc	ccaggtgcct	cctggctccc	cagctggggg	ccagcaatta	37080
ggaaggagaa	ccacctgcat	tgacggtcac	ttacccaatt	gtgctttgtg	ggatattcaa	37140
cccaagggaat	gtggcacacc	tggctgagcg	taagaggaag	cccaagttct	ccaaggagga	37200
gctggacatt	cttgtcacag	aggtgaccca	ccatgaagca	gtgctctttg	ggaggagagc	37260
catgcggctg	tcccatgctg	acagggacaa	gatttgggaa	ggcatagccc	ggaaaatcac	37320
ctccgtcagc	caggtgcccc	gctccgtcaa	ggacattaag	cacagatggg	atgacatgaa	37380
acggaggacc	aaggacaagc	tggccttcat	gcagcagtc	ctgtcggggc	ctggggcccg	37440
gggcccggcc	cccaccatcg	tgctcacggc	ccacgagagg	gccatcaagt	cggcgctgct	37500
cacggcccgt	gcagggcggg	gcttccccag	ggcggaactg	gatggcaccc	acagcccttc	37560
gaccagctgt	gagtatcac	agtccccccc	gccacccagc	cggctgcctg	ccccccagct	37620
tacagtccac	agtctccca	cgactttccc	tctggttctc	tcctgtccct	ctctgtccag	37680
cccactcttt	ccatctctcc	ctccttctcc	cactcttctc	ctctccatcc	ctttttgcat	37740
tcattctcga	atatttactg	agcatctccg	tgccagagcc	gtgctaggag	ctgggaagac	37800
agctgtgtgt	aaacccccag	caggccctgc	tcttggggag	accctggact	cttaggaata	37860
aaccaacggt	aaataattgc	acgagtaaac	tggaaacgaa	gggatggagg	acacaggagt	37920
ccaggaggtc	ccgagagcag	ggctgacttc	atgagcatgc	aacctgaaca	gtcacagggg	37980
ccgcgggggt	tcaggctctg	ctgtcgccat	ctggacattc	ttcatagtgt	ttgagccagg	38040
ggccccacgt	tttcattttg	catttgaccc	tgcaggttat	gtagcagctc	tgtctgagag	38100
ttaaaggagt	ggtaaaaact	gctccactgg	ggactggggg	gggtcccttg	aagaagtcac	38160
goggactagg	atgtgaagag	taagagttaa	ccaggccagg	cagcagcgtg	gggcccggag	38220
aaggggaggg	gaggcgggca	ggcagagaa	agcatgtaag	aggcccccga	tcaggaaagg	38280
gcttggaacg	ttccaggaa	agtgagaagc	caggaaagcc	caagtgtagc	agcgcggggg	38340
agggggctgg	agaagaggcg	gccaagctgt	gaaggcccgg	gcccggccat	ggaaagatca	38400
gttcccttct	gtgtctgggc	ctgaactgct	tgttctctca	ttattactcc	cctgcctgag	38460
ccacgtctgc	tgcctccact	tttctgtgtg	ctgcctctca	gtccctctct	catctctctg	38520
gctgctccgc	cacccgctcc	ccacccctct	tctccctctg	tacttgtccc	tgcctttctc	38580
ctctacttcc	tgtgtctcac	atgcactttg	aagccagggc	ccagcgggcc	gaggcgggtg	38640
tcccttgggg	ctggagtctc	agttggggct	cagcagaagg	gggagcacta	aaggccctcc	38700
cagggaactgc	aaccttctct	ttccacttct	gcacatctcc	ccgtgcccc	gcagctgca	38760
gtcccaacta	gaggccgtct	gcctgacccg	ctcgtgagtg	gtgggagcca	ggcaggaggg	38820
gcccggggga	agcagccgtg	gctcagccca	tgggaagggt	ctttgcaaa	actcacttgc	38880
accttccctt	ccggggccccc	ctgcacattg	gatccacttg	cttccctgtt	ggctggggct	38940
cctgacaggt	ggcagttcac	agagtccagat	gtttaggact	ggaaaagaac	atggagacca	39000
tttagttcaa	cttcccttgc	atgcagaaag	taagctctga	aaaccaaagg	ggccctgagc	39060
tcaattcaga	agcaggactt	gaacccgggt	ctgctggctt	cctgtgaatc	agtgttttcc	39120
taagtcttaa	gaggattcca	ccccgtgata	agaaaaaatg	ggggggctag	catccagtaa	39180

agcctgttcc	ctgcatcctg	ctccgctcac	ccctccatct	ccctgagaact	gaatgtaatg	39240
aggccaccaa	aggtaacctg	ggctggcagg	gagcccgagt	gtgccatcag	gcagagcccg	39300
ctcaccccca	tggcaggctc	acagccctcc	tttccctggc	agtggccagc	tgcggcagca	39360
ctcggccagg	ggcttggcag	aacggggacc	tgggagggaa	ggagcagcat	cacctcgccg	39420
ggtctcactc	cttccaacac	tggccatgct	agacaggctc	ctgggatctc	aggggatggc	39480
tgtgttccca	ccaaacactg	ccaagagaca	caggactctt	accaagctgg	cccaagtga	39540
cccccaggac	ccctgggagg	catgaggtaa	ctgtaagata	aacctgtctg	tcttccccat	39600
caccttcctg	gggggtggtt	ctgagttgag	tccgcagatc	caggcaggga	gggcttgcc	39660
gtcagtaggg	tcagcccata	catcatttaa	tccctgccaca	gggatcagcc	catacccttg	39720
gtcaccagaa	agcaggaccc	acatgtgcag	aggctgggcc	ccctccctgt	gtccgggtgc	39780
aaggagcagt	ctgtccgatg	gcccctgtgc	ggtcagatgc	tccctggatgg	gagcacgatg	39840
tgactgaact	ggaagcctgc	cttgggggac	agggggacag	cagggctggt	tgcagaggtg	39900
gctctcctgc	tctgcactgt	cctgccagtt	tcttcagcct	gtcagcatgt	gtcagagtga	39960
tttaaagatg	cagattccat	attagtagtc	ttttatccct	cacccccctc	ccactcttcc	40020
ccccaagtec	gcaaagtcog	ttgtatcaat	cttatgcctt	tgtgtcatat	ggcacagtgt	40080
atactgcttg	ggtcattgggt	gcacccaaat	ctcacaagtc	accactgaag	aacttcctca	40140
tgtaaccaaa	caccacctgt	accccaataa	cttatggaaa	aaaaagtgtg	cagattccag	40200
caaggccaca	agatggcccc	aagcaatgca	gacgtggcct	cagaaaagtct	ggtgtctaga	40260
gggccaagag	cgtcttagta	cctttaggca	ggtgccgctc	cttcagcggt	acagagcacc	40320
ttcatgtttg	tcactcttgtt	tatgactctt	cttaacaacc	caattaggta	gccaagcggt	40380
tcgatgtgta	gacagggcag	tcgttatctt	tgcagaaagt	gaggtgcaga	gagatgaact	40440
gactgctgag	gtcaggagct	gctgggttgg	cacgcagccg	gtgggcccag	gtctccaagt	40500
cccctggcct	gggctcttcc	ccactagaat	agagctgttc	cgttgagagg	aagaggaaat	40560
tccccccagg	gatgctgggc	ccacgcacct	cagggatttg	gggaacgtgg	atttctctat	40620
gggcgggggc	caaactagac	cgcagggtgg	cagggcaggg	ggatactcag	gtgtttttca	40680
ggggcagggc	caacccttgg	gcctccctcc	ttctcccttt	tgtaaccaat	tttccatctt	40740
tgtttctgtc	ccccaagatg	atgaagatga	ggaggcgctt	gggccctcaa	ggcagcctct	40800
tcgggtgcct	ctgcagcggt	ctccggaggga	agaggccac	ctggccaggc	ccgcctctgt	40860
ccgttcctcc	tctctctcag	accagtctga	gacggtgggc	cccaagccag	aggccctgcc	40920
ccatccctcg	ccccaggccc	aggctgcctg	caggaccctt	cggccgcacc	ccagcccacc	40980
caccacgggc	cttgactggc	agctcctcca	cgtccatgcc	cagcagaccg	agggtgtccg	41040
gcagttctgc	caggagctgg	tgaccgtgca	ccgggacatg	gccaacagca	tgcacgtcat	41100
cggccaggcc	atggccgagc	tgaccagccg	tgtcggtcag	atgtgccaga	cgtgcacaga	41160
gatccgggat	ggggttcagg	catctcagcg	ggggccagaa	ggggcagacc	ctacgggctc	41220
cactccccag	gccacccagg	cccaagcccc	cctggccagag	ccccaccag	cttccccagc	41280
atcagccccc	acacggacta	ccaggtctcg	gaagagaaag	cacaattttt	aaccagctca	41340
gtctgcacta	ggaggaagag	tcattggaggga	gggatgtctg	gcttcacaa	aggggacagt	41400
ctttcgtgtc	cagggaacagg	atcgatgacc	cttgtaggac	actggggggc	ctgttacctc	41460
ctcacccagc	gcaggctcgt	gcccgtgtgt	ctaacagagc	atgtattcag	accgcacccc	41520
tcattctttg	cggatgctga	agatgcaaga	aaagccacct	gcttgatgct	tgtttggcct	41580
ggagatcggt	ctcctctttg	tctgtgtccc	gtggcggcag	gccttgccagg	gagggggggc	41640
caacagtggg	gagcatccga	atggagtccc	acttttccaa	cttggggctg	ctgcacccgc	41700
ctccacacatg	tgacctccca	ggccctgatg	ctgcttcttt	tgaagggggg	gaggtctgat	41760
gggcaggtca	agtgggtcct	tcaggggagg	gtctacccct	ccttgcccg	gggtgggtgc	41820
cgccttggcc	ctccgcttgc	ccttggtgcg	gtgctcagct	gctgtgcttg	ccttttttgg	41880
agtggggaga	agaatgggat	gacgtcggag	gaaggaaaag	actgtctttg	attcatagag	41940
agcactttat	gcttttccct	gccttgcag	agtctgggtg	gtctcagtg	gggtccagga	42000
cagtcagctc	aagacagcca	agtccaggtat	tattatgata	atttttatca	tcacaccttg	42060
tataagacaa	atgacacagc	cagttagtga	gagggccagg	actggaagcc	aggttatccg	42120
ttttccacag	tccctgtcca	gaggccagat	ctggagttagt	gggaagagga	ggcagggggc	42180
aggtcttgcc	ccttgccagg	cctctgcccc	ttgcccaggc	tctgccccct	gtatctctgc	42240
ttctgcctca	gctgtcctgg	gtgaggtggg	aggcacctag	catttagcag	gtgattctcc	42300

caccctgccc	tggtctctatg	gtccatagcc	agtggccttgg	agaggcaggg	ccagatctca	42360
ggagtggagg	gcaacctctt	ccttggttc	taaaagaatc	cagagcccag	tggggetcat	42420
gtcccattcc	aggttccagc	atgccttgcc	tctgcttgct	cgggctgcct	acgcactagc	42480
tacatacacc	tctagcttca	tgtttcatgt	tggagtgtgg	ggagaaaact	gggttcttag	42540
cattagagag	ggaagtggca	ggtggcagat	acaagcttag	ctctgacctg	ggtgcacctc	42600
agctctgtgt	cctttttttt	ccttgacctg	aagctgacct	cagcagaagt	ccccagcca	42660
acccctccac	ccaacaacct	cccacctcc	catcctgccc	ccagccatag	tgggagctgg	42720
gaggattgca	gcctctagt	ccttccaagg	ctgttccctg	agcgtgctt	gtaaacccaa	42780
gccaagcttt	gtcccacgta	gggagaatgg	aaggtgactg	caatgtccct	gtgccttttg	42840
ctccatctcc	ccattctgtg	gttctttggg	ggttccctgt	tccctcaaac	tgaacactct	42900
cctgtccaac	agcctgatgg	cttaattatt	gcttgggaatt	gcccggcctc	cgatgctgga	42960
atcaaagatt	gccttccgaa	gtattttttg	taagatggca	ataaaaagaa	atcaatctca	43020
ctctttgaa	acacccagtg	tccaggatct	ttctttgggt	tgtattctct	ttcttcgttt	43080
cctgtgaaaa	cctcgaggac	cccaaagcag	gggttagatg	tttaaggaaa	agcaggtttg	43140
tgagaagggc	tcaagtgcct	cttgatttcc	ctgattctat	aaactgccag	attccctgta	43200
tccagcacca	tgccaggccc	tccgaggaaa	ggaagggcct	gcctgcacga	aaccactcag	43260
ttatatattca	ttctctctgt	caaaagttag	gtgttgctaa	gtcaatttta	ccttttgctc	43320
cctaaaagta	agcgagaagt	tctggaaaaa	caatcacctg	ttcggacagg	aggctctaga	43380
agggtcaggg	gctgtccatg	tgccagtga	ctttaggggc	cacctggagg	catgaccttc	43440
cccaccaatc	caggtgtctg	tgtgtctggc	actggcaagg	ctctgcccac	ctagatctga	43500
ggcttctcaa	agtaaccaa	gctgcctcct	ctgccaagag	gaagcctcct	cacctgtgca	43560
ttgcccgtgg	ttaataccag	tctcagagag	cttctctcag	gcaggaaaac	ccttagtctt	43620
gcccacagat	cccctttcta	gaaggttcta	acttgccatc	ctccacagtt	cttggccaaa	43680
aagcatggcc	atagaaatgg	aggactaccc	aatttccgag	agatgcaaag	atgtcgtgaa	43740
accatcccca	gggcctttct	tcccaaggtc	aatgtatgaa	gcagtgaact	gctggctgct	43800
ctctctcttc	ctggggaggg	aaggagccaa	attggaagct	gtaaaaactga	aatggaagtc	43860
agagcaaaaag	ggacagttag	gacttgtcaa	cttgggatgg	aaaagatttt	cagtttctgt	43920
ttcttggctt	cagtggggat	tgttgggcta	gcacattaaa	acagggaagag	gaaacttggg	43980
tgagagacag	aaatgaattg	gaagagggag	gcctctagcc	atgaccaggt	gaccatctgg	44040
tgggtggatg	tgtgacccaa	agcccctcct	agcccgagga	cctatgcctg	tgagaacaca	44100
gagcccagcc	tcttctcagt	cggtcttttc	ctagtctctg	ctccttaact	ggggcagctt	44160
cctttgtatt	gaagataccc	actatgcaat	agtgtctgag	cctggcctag	tcaattccct	44220
ccagcaaaaat	ggatgccttg	tgttatgttt	tctttgctgt	agaaacaata	gtcatgtgct	44280
gaccagctca	gaaaatatga	tgcacttgat	aagacacagt	gggtgaggtc	tgagaattgt	44340
tgtcttagta	cttaacctat	cagtccccaa	ggtcagctgg	gagggttgaa	taaaaacaat	44400
ccaggatcat	catgacaggt	ttagtccaga	gctctccacc	gccatcagca	gcaccaccac	44460
cttccctctg	attgctccaa	aggtcccaaa	ttctgtgggt	tggagtggaa	atgcctcaat	44520
aagcactagc	atttgacgaa	cagtctcagc	caggcattct	ctgtgccttc	tctcaagagg	44580
tagtgacctg	gtaactcttc	aaacctcctt	gcacagagct	gctcagccac	agtgataga	44640
ttttgcccct	cctggtagcc	ttccactcct	tggggagggc	ttctgatttc	tgcagccatg	44700
taatgaatgg	aacaggacaa	gttcttcata	aagggttgtt	tgtgaatggg	gacagaaggg	44760
ttctgggggg	tggctgagcc	agcagggtgt	aaggcaaaa	acttaaaaag	aggagatcta	44820
atcagaggta	acaggctctg	ggacctagct	ggcttcattt	agctttacct	cctaaatggt	44880
ataacataaa	catcttgta	ggggaatggg	tgttgattca	ccaagagttg	ccatatacat	44940
tgtatttcaa	atgctaagtt	tcagaacaa	aaatacaaca	aaatctgaat	aagcattgat	45000
ctgcctttga	aaatactttg	tgatttatac	aacgccttga	ggttagcttc	ccaaatatgt	45060
attcttgatg	gatagaaaaa	gacpagaaga	tgaaaagtta	aattgacttg	agctttctta	45120
aaccttttga	cacaccttag	aagtgtctct	tttgaataaa	taaatccag	ataggaatgt	45180
atttctcact	tagcttcttc	tcttgatgtc	aagtgtcaga	gaaataattc	tagcttttag	45240
aggtgggtgg	ttgtttagaa	actggaagaa	aaaaaggaga	agacagtatt	ctccaatcat	45300
agtgcctatg	ttcaagttag	tctgtgaga	aaaaagacga	atgaatgggt	tcccttttgt	45360
atctgggagc	aggaaaagtt	ggaacaaact	ctattctgtg	ctaaccgcaa	ggttgattat	45420

ttttggatgt	caaatectag	actctcacta	aattggggac	tggaatatatt	ttgcatattc	45480
agaagaaatc	tcagctatgg	agaaaagact	gactcacagt	tgtagaattg	agattgggaa	45540
ttattaattt	ggagtgaactt	ctctcactcc	aaatttaaagg	aaaaggggct	cttttccttt	45600
ctcttaagtc	ctttgttaat	aacatcctgg	ctgggtgcgt	ggaaatcacc	ctgtgggtctt	45660
cactactcag	ggatagcgat	gottatatcc	gatgtgataa	gaacaccgat	gtgttggggc	45720
taacagagaa	cacagaccta	ggacaagatg	caaattctgg	cggatctaag	caccgtaaat	45780
cttgcaagtt	ctacacctcc	atgggtggagc	ctgtggcctg	cttctctcaa	aagggtgaag	45840
cagccaaagc	cagcatttgc	tctcccatct	gccttgggtct	tactccttct	gaggtccttgc	45900
agcatcctgt	tgccagaatg	gattgttccc	tggactccag	tgatcctcct	tgggaaggcaa	45960
cagcctcctc	ccaggctctc	cagatgagca	aggcaggata	tagatgaggg	gcagctgggtg	46020
ccatccctgg	gacctctaga	atgtagattc	tccatgctgc	tagctgccac	cactgtcacc	46080
tcatactgga	attggcattc	gtatattttc	tttctttata	tgtgtgtcag	gagtggaggtg	46140
cgtgacagta	atagttgctt	attgagggaa	actttgaaag	tatgcaaaat	tacaaagatg	46200
atccacctgt	aaggggtttgt	cactgttaaa	acattgggtat	atttccttca	agtcgttttac	46260
tggggccttgt	ttttaaaagca	ttattggaa	catagtctac	ttccagtcc	attgtttctca	46320
cactatctta	tttcaacacc	atttttccat	gtcataaaag	attctttgaa	aacatttttcc	46380
tatagatgaa	tagcattcca	ttatataaat	gtaacatcat	ttacgaaatc	ttatctagta	46440
ttagacattt	aaatgttttg	ctttgttact	gtataacaca	atgatacaag	tcagcatatt	46500
ggtatgccgg	gtttgcatac	ttcatccata	acttatgttt	cttgagccat	attgccaaat	46560
tgtttcctaa	aggggttgac	ctgttaaatc	tgcacatca	gtacaggaga	cacctttctt	46620
accaccttta	ccaatagaga	tattatcacc	ttttagaaat	ctgtgccaat	gagacaatgt	46680
actacgctgt	gtttctttta	ttagtgtatg	tgaatacttt	tcatttggtt	attatccacc	46740
tgaattcttc	tgtgaatttt	tgtttccctt	ggacttttcc	agatataatt	cattgggcta	46800
caccaatcag	acagactttg	atttttgtcc	cttgtttttg	agacaaacca	taacataaag	46860
aagtttatatt	tttactacaa	atttcctagg	tgtttgtgta	gtcagaacc	ctaaaacgtc	46920
aactaatttc	ctcttgccct	ctgatctgta	caacttcact	cctcggcagg	tgttccctca	46980
tcccaccttt	tggaggtggg	taggggtggg	ggctggatgt	cgcacatgtt	gtttcagtga	47040
gaatgggcga	gggcataga	ttctgagggt	ttgacagaac	tttaaagggt	ttctgggcat	47100
tgccgagttg	gtgctttaca	tgccacata	ggagccatga	gttacagtgg	gaaacgtgca	47160
taggactcaa	agctccatct	cccatttatt	agctgtgtga	ctttgggcaa	gttgcttggc	47220
ctctctgagc	ctcagtctcc	ttaccttaaa	atcatttagt	aagattaacc	agtggttgtc	47280
aaccttttgt	agtctgttat	ttaccttctt	ccctgtctcc	cactggagcc	cccatttttt	47340
aaaagatttt	gatcttttagc	atttattaat	tgatctcttg	gacaccttgt	cacaggggct	47400
atttcagcaa	ggctttgtga	aatactggaa	acagttgaag	gacccagcc	ttaccacctt	47460
cagaggcctg	tgggtatctg	gjaaccccag	tggttaaaag	ttagtgaaga	gtagaagaga	47520
taacctttca	gtttttccaat	caettataat	atttagttga	tatattttcc	atatgggtgtg	47580
aggcaggcag	ggcagggtgc	atatccagtc	tcagaaaaaa	gagattotta	gaggtttgga	47640
gatctgcttg	aggtcccaca	asacgggtgac	gttgggacag	ggatgggttc	tggctggtgc	47700
tgcttctccg	gacagggcag	ctgctctgct	gatgttcaca	tgggcccacg	tgcctgtgga	47760
cttctaacca	tcacaccttg	cccagcactg	tgcgggcacc	agcgggcact	caacaaaagg	47820
tggcccggtg	gttctccact	gtctccctcc	cccaccaggc	acgtgggtcat	ctccggggag	47880
gagagggagc	agaacctgct	gjcgttccag	cacagtgagc	gcattctact	ccggggcggtg	47940
agggacatcc	ggcctggggg	gtggctggcg	gtctggtaaa	gogaggacta	catgaagcgc	48000
ctgcacagca	tgtcccaggj	aaccattccac	cgcaacctgg	ccagagggtga	gtgcccagct	48060
ccacatgagc	tgcgcccacc	tctgagcccc	aggggaggcc	tggatagctt	gttttgggagc	48120
ttcttgagaa	atacgggtcc	cagcaatggg	aagaccagga	gtgattcggg	ggaacagatg	48180
gttgaggtct	gagcagcagc	tctgggcccac	gcaggggcca	cccagccatg	ttatcgaccc	48240
ctagaaatgg	tctcagaaat	ctttaaccaca	cacatttccag	agtattccatg	agagagacgc	48300
ccccaaaaac	gagcaaatat	gtttaatccaa	aatgtaccct	atttccccaa	ctccagttga	48360
tgaaaaagatg	ttacaaaactg	ccactgcctc	aataatgata	gtaataatag	gtaacatttta	48420
ctaaaatactc	aatatgtgaa	atactgacaa	cagtccaaagg	accccagctc	accacggtca	48480
gaggcctggt	gggtatctgg	gaacccctgt	ggttaaaagt	ttgtgaagag	tagaagaaat	48540

gacctttcat	tttttcagtt	acctgcaata	tctggtggtg	atatattttc	catagcctgt	48600
gagcagattt	tctgcatggt	cccatgtaat	tatcatagca	gccatcccta	ccctgtcagt	48660
gcaccctgag	aagtagatgg	agtcattggac	atgtggcatt	taggacaatg	cccacctcca	48720
tcatcagaag	tcctcagcta	taaactttta	atactcatga	tcccacatgc	attctttttac	48780
ccatcttaca	gatgtgcaaa	ccgaatatca	aatgaataca	gtgattcatc	caggggccacc	48840
tggctaggaa	ggacagaact	aggttttctaa	tccatattgg	tctgacttca	aggtctaagt	48900
tctgacctgc	aatgtttacct	gatgtcccag	acaaaaaccag	tcccctcctg	ggttcctcct	48960
ggtgtctgta	ctgcagtcc	aatgagatga	ggtgaaaaaa	caatctctat	caaaagaaga	49020
aggttggcag	gaggtgggat	ggtgacttag	gtgtgggaag	cgggtgggt	tgggtgtcca	49080
tccagaagca	gttttaacta	ctctcagccc	ctagtccttt	acctttttat	tccatcctca	49140
tcttgaccag	tgtagactgg	tgagtccagg	cccttctttc	aaggggtgtt	tttttgtttg	49200
tttgtttgtt	tttttcccc	ctaaaaccac	gcattccaaac	acctagagtc	tatctggtgc	49260
caggaacca	ggctgttccc	aagcctcacc	atatcgtgtt	cctgaccaac	ttactaattg	49320
gaaataaata	ttcacttgga	atatgagggg	agaagatgaa	aagggggtgg	gagtgcactta	49380
ttcaaattaa	gctatcttta	aaagcaaac	agagcaaac	aaattgtgga	cattgagtgc	49440
acagctgctg	cctgacttgg	taaaaggtat	ctggagatga	tgggcagtaa	aaggagaccc	49500
cataaacata	ctcattttct	gtcttctttg	gatctcaggg	tttggcacat	gttggtttca	49560
cttggcaagg	tgtgcttcca	tgatgaggct	gcagtgggtt	ccatgtgacc	tctggagatg	49620
cctcatgtaa	aagtgcctga	tacatagtag	ggactcaata	agtctttgtt	gaatggataa	49680
aagaagaaat	gaatgaagac	agccaagaag	ctttccaaag	aatcatacca	ctagaagaaa	49740
agaaaaccca	gagaaatcat	atctgagaac	acagatttca	tcccttggtc	ataaccttct	49800
tgcattcttc	tggatttgtg	atgtcctttt	cttccctcca	gtggctctct	ccagagcacc	49860
tgaagctgca	tcattcctcca	tgagccccaa	gaccacaggg	gattgctcag	agaaggggtg	49920
gagctttctg	gagtggttca	aaggaggcgt	gtcagacaga	cttgaaagga	gatacaccca	49980
gacatatgaa	gatacaggag	ggaagagggt	ctattcctgg	tcaggctgag	cagtaagaaa	50040
taggaaggaa	attgaaagtc	acagtggggc	agtttcacag	ctgtgggtga	tctgaagccc	50100
cttgggaatg	gtcatggagc	tcagtggcct	tcaaagtgtg	gcctctatag	cctgtagctt	50160
cagcggactc	tggttagtgg	tgtcccagat	gggtgtgcca	ttgctgctct	gaaagggaga	50220
tcccctatgc	ccaatcactc	ttggtcttat	atagaaggag	gtttctttgt	aattggaggt	50280
tggcacccctg	atggagtcca	gagcatgaat	tattagtctc	tattaagtag	ggatattggt	50340
tgttgccaga	agtcttctctg	aagagagtgt	aaactattcc	tttgtgggtta	ccttttaaga	50400
atagattgca	tctaaagctc	gcattccaaac	aatttatgtt	atttgacctc	ccttgattca	50460
ctaatttact	ttgaggtttt	ctttgttttt	gttttccatg	ttgtatggag	gctttggaac	50520
caatttcatg	atgcttaaa	gtctcttttt	gcctgtagat	ttttctgaaa	gccttaagtc	50580
cacaaagatc	atactaagaa	atttgaacaa	cgttggtttt	aaacaatgac	gaggaatctc	50640
tgytgatttc	taggcttjat	ttcccgatgt	cctcagttgt	ttgctgctgt	attgtcccat	50700
gaggaaagga	aaatgtggct	cctgattttt	agagatttcc	aatgggcaag	tgtgtcatct	50760
gatctgtaag	acatacaggt	ggcattttca	agttatctcc	atctctcccc	ttctgttagc	50820
tcagctgata	tagaagtga	ggctgtgggg	agctgctggg	gttcacagaag	ccttgagatg	50880
aaagtgtgtc	cttaggtatt	catgtgagga	cagaaaaagg	gcattcctgaa	tagataaact	50940
ccttttjtgc	tgtaaacctaa	aggaaaacctg	aagtcaaac	tggggcaggg	cacagcaccc	51000
ataccagcta	tgggaaacca	gacgtggaac	atctggactg	ccttattggca	aacctctggc	51060
cctcaatcag	aagtcttttg	caaatggagc	catcagaagc	ctaagtaagt	tttagttcaa	51120
gtcattgttc	agcggcacat	caactagggc	ccttgacact	ggtctaggaa	acctttgaga	51180
ttcttgagtt	ccataggcta	ctttcaggac	cctctaaagg	ctgaagajat	tctctgtcct	51240
tttttagcatc	tctcaccagc	aagcatcagc	acttctgtgg	cagtttatga	aaactatgtg	51300
gtaattttta	aagaatcagg	ctagctgggt	gcatgtgtct	atgctgttaa	tctcagcact	51360
tggggaggcc	aaggtgggca	gatggcttga	gcctaggagt	ttgagaccag	cctgggcaac	51420
atggcgaaac	cctatctcca	caaaaagtac	aaaaattagg	gtgtgatggc	ttgtgtctgt	51480
agtccagctc	acttgggagg	ctgaagtggg	gggacacttc	gagcctggaa	ggtggaggct	51540
gctgtagcac	cactgcactt	cagcctggac	aacagagtgg	gtctctgtct	caaaaaataa	51600
aaattaaaaa	caaggaatca	gtctaaaata	atttatgggt	gaggagctca	ccaaagtctt	51660

tgaacaatt	gaaagtaatt	caaagtgaat	tgaggtaatt	cacatgatag	aaagaaatag	51720
gcaaggaaac	gtcctttgaa	tgcccaagt	aggagacatg	gctatatattc	ctgactgctt	51780
tggttcatta	tggtacactt	gtcctttatc	ttgtcggagg	ctgccatggt	ggagccctca	51840
gcgccatagg	tctccttgtc	ttcccctttc	ttctgccctt	agtcgtcagt	gagaacaaca	51900
gaagttcaga	tcatgctttc	tcacatgttc	ctagtctgct	gattgctggg	agaattagaa	51960
aggacagttg	ccataggatg	gactttgcct	taagtaggct	gtctccagag	caacgaagga	52020
ggaggaagga	gtgaggccta	tggtgtttca	tgtgtacctt	ttaccaagtc	gaagcagcca	52080
tcttgtcatt	gctagggctg	aggggaagct	gcaaagggtg	ggggagttga	tactcacttg	52140
gctctgaggt	atgttcccac	cacccagtg	gattaagtgg	gatgttgttt	tctagggtoa	52200
taggaaagaa	tgttcaatta	ctctccetta	tagattttctc	ttactttata	accgtagagc	52260
ttgtagacat	gaggcttctt	ggaaactgtc	tctttctaaa	aggtctttcc	accgttcagg	52320
tcctatgagt	ctagctctga	tggaccactg	agtgattcgt	atctcccctt	tgcaacactt	52380
gccccaaaag	cccagatcta	gagggatgtg	tcaggtgacc	taacaggagg	cctgctttgt	52440
tttctgttgg	tttctccaat	ttgggggttt	tccccatttc	cttacaccct	ggttttcctt	52500
cctaggagag	aagaggttgc	agagggagaa	gtctgagcag	gttctggata	accagaaga	52560
cctgaggggt	cccattcatt	tctctgtgct	gagacagggc	aaaagtccct	acaagcgtgg	52620
ctttgatgag	ggggatgtac	acccccaaagc	taagaagaag	aaaattgacc	tgattttcaa	52680
ggatgttctg	gaggcctcac	tggaatctgc	gaaggtggaa	gcccaccagt	tggccttgag	52740
cacctcactg	gtcatcagga	aagtcctcaa	ataccaggat	gacgcctaca	gtcagtgtgc	52800
aacaacaatg	acccatgggtg	tgcagaatat	aggccagacc	cagggggagg	gggactggaa	52860
ggtccccccag	ggggtctcca	aggagccagg	ccaattggag	gatgaagaag	aggagccttc	52920
atcattcaag	gccgacagtc	ctgccgaggc	ctcccttgca	tctgaccctc	atgaacttcc	52980
caccacctct	ttttgcccta	actgtattcg	cctaaagaag	aaggttcggg	agctccaggc	53040
agaattagac	atgcttaagt	ctgggaaaact	tcctgagccc	cccgtattgc	caccacagg	53100
actggagctc	ccagagttct	cggaccctgc	aggtaagttg	gtttggatga	gattattgtc	53160
ggagggcaga	gtacgcagtg	ggctgtgtgg	agggtagcct	aaagctctct	gtggaaacca	53220
ccttcocggga	gacctgagga	gtgtaacgtg	gagggcgcta	cctccgtggg	tgggagccca	53280
ggtcctcagt	gtctctggca	gacctatcgg	cagctctgcc	aggtgctcca	tgtgttgccc	53340
ttgtatcctc	cttgtcaata	aaggaagttc	cgtctcagaa	ggggtgtgtg	ctgtgttctt	53400
gaccggttgc	ctttctctgg	tactgggtgc	ttacccccaa	gcccattttc	taaaaccagt	53460
ctttctctgt	ccccagtcct	aagcaggggtg	tcccactgga	gagatctctt	ggcttcccta	53520
acttagtcca	ggaacacagc	cttgtttctc	tcttcttgaa	tctctgtcct	gccacacatg	53580
gtcccagttc	cctagcctgg	agttctggaa	ggatggagag	tgaggggata	caggccattc	53640
acctgcatgg	ctttgcccta	ttctgttggc	tacctggatt	tctagagttg	gtcgacaaat	53700
aggcaggtgt	tctagtctcat	atctgcagct	gagggagact	gtttacatag	cacttaactct	53760
tttaaccaca	tcccttagct	cagaatgagg	tgtttctttgt	attcaaaagca	tgcgtctgaa	53820
ctaaactgca	ttttgatcct	gaaatcaatt	ggggccatat	ccaagatgct	tttgttcaca	53880
ttaatgaagg	gcaaatgaat	cccaagtcct	tgcctatata	ctttggaatg	tgtgatgtgc	53940
ttttctctct	ccattagatc	tactctccta	gcttctgtctg	tccagtctgat	agggggcatt	54000
taaatccctc	aaacacccac	acatggaggj	caagggcagg	cagcctgaaa	tctgggtgggt	54060
gtgacaaggc	aacctgtggc	aatccacagg	agagtaaaag	tcacatgggc	aagcaggagt	54120
gctcataaac	taattctjgg	ctgggattca	atccatcata	ggcttccacg	gacttctgtt	54180
tcccatjgtg	tggcaacctac	cttccaggag	tgtttctctgt	ggatttttjga	aaagcctgtt	54240
ttctccccc	ggtataaaatg	ttcttttccc	atttgttttt	cagcctcaga	aagcatgggtc	54300
tccggccccg	ccatcatjga	ggatgatgac	caggaagtctg	attcagcaga	tgaatctgtc	54360
tccaatjgata	tjatgacagc	gacjgatgag	ccctccaaaga	tgtcatcgjc	cacjggjgcg	54420
cgaatccggc	gctttaagca	ggaatggctg	aagaagttct	jgttctctjcg	gtactcccca	54480
accctcaatg	agatgtjgtg	ccacgtctgc	cgcagtcaca	cjgtjccagtc	ctcacgcacc	54540
tccgcttcca	tcatcggtct	caagcagttt	aagattccaca	ccatccaaact	ccacagccag	54600
agcaacctgc	acaagaagtg	cctgcacactg	tacaagctcc	gcattgcaccc	ggagaagaca	54660
gaggagatgt	gtcgcaacat	gacctgtctc	ttcaacacccg	cctaccacct	jgccttjggag	54720
ggcaggccct	acctggactt	ccggccctctg	gcjgagctgc	tjaggaagtg	tjagctcaag	54780

gtggtggacc	agtacatgaa	tgagggagac	tgccagatcc	tcacccatca	catcgcccgg	54840
gccctgcggg	aagacctggt	ggagcgcac	cgccagtcac	cttgccctcag	cgtcatectg	54900
gatgggcaga	gcgacgacct	gctggccgac	acggtggctg	tctatgttca	gtacaccagc	54960
agtgatgggc	ccccggccac	agagtccctg	tccttgccagg	agctgggatt	ctctagcaca	55020
gaaagctatc	tccaggcact	tgaccgggccc	ttctcggcct	tgggcatccg	gttgccaggat	55080
gaaaagccaa	ctgttggcct	gggtgtagac	ggagccaaca	tcacagccag	cctccgtgcc	55140
agcatgttca	tgaccatccg	caagacgctg	ccctggctgc	tgtgcctgcc	cttcatgggtg	55200
caccggcccc	acctggagat	cctggatgcc	atcagcggga	aggagctccc	atgcctggag	55260
gagctggaga	acaacctgaa	gcagctgctg	agcttctacc	gctactcacc	gcgcctcatg	55320
tgcgagctgc	ggtccacggc	ggccaccctt	tgtgaggaga	cagagttcct	gggcgatatc	55380
cgggcagtgc	ggtggatcat	cggcgagcag	aacgtccctca	acgctctcat	caaggactac	55440
ctggagggtg	tggcccatct	caaggagggtc	agcagccaga	cccagcgggc	agacgcctcg	55500
gccatcgcac	tggccctgct	gcagttcctc	atggactacc	agtccatcaa	gctcatctac	55560
ttcctgctgg	acgtgattgc	tgtgctctcg	cgtctggcct	acatcttcca	gggcgagtac	55620
ctgctggtgt	cccagggtga	tgacaagatc	gaggaggcca	tccaggagat	cagccggctg	55680
gctgactccc	cgggagaata	cctgcaggag	ttcgaggaga	atttccgaga	gagcttcaac	55740
gggatcgcca	tgaagaacct	caggggtggct	gaagccaagt	tccagtccat	cagggagaag	55800
atctgccaga	agaccaggt	catcctggct	cagaggttcg	actcccgag	ccggatcttt	55860
gtgaaggcct	gccagggtgtt	tgacctggct	gcctggccca	ggagcagtga	ggagctgatg	55920
agctatggca	aggaggatat	ggtgcaaata	ttgatcacc	tggaggccat	cccgaacctt	55980
tcccgggatg	tctgtaggga	agggctggac	ccccggggta	gtctgttgat	ggagtggcga	56040
gaactcaagg	ccgattacta	cacaaaaaat	ggcttcaaa	acctgatcag	ccacatttgc	56100
aagtacaaac	agaggtttcc	actcttgaac	aagatcatcc	aggttcttaa	agtcctcccc	56160
acttccaccg	cttgctgcga	gaaaggccgc	aatgcctcc	agcgagttcg	caaaaaccac	56220
cgctcccgcg	tgaccctgga	gcagcttagc	gacctgttga	caatcgctgt	aaacggaccg	56280
ccaatcacca	actttgatgc	caagcgagcc	ctggacagct	ggtttgagga	gaagtctggg	56340
aacagttacg	cgctgtctgc	agaagtcctc	agtaggatgt	ctgcgctgga	gcagaagcca	56400
gcactacaga	ccatggacca	cgggacggag	ttttaccccc	acatttaggg	agctggcgct	56460
gcagagttca	ctaagctggt	gaatatTTTT	ttaatctata	ctcataagct	ttgatataatt	56520
atataaatat	atattatatt	atattatatt	atatatatat	atatatatata	actcacactg	56580
aaaatttttta	aaaaccaagg	tgacgcgtcc	accagaagcc	actgggagat	ttcagaaaagg	56640
aaaaatgttg	gaaactgact	cttgtctaca	aaatttggca	gctgcaacat	acatggcaac	56700
tcattttcac	tcacagaagc	acgtgctggg	gcctcctgtg	ttcccacctt	actgtccacc	56760
aacagcataa	gctaaaatga	caggtctctg	tcatcacctt	taggtagctc	attttgttta	56820
tgttttcatt	tgcggttggc	gggctctctg	gtttgggttt	atgttcttgc	cttttctttt	56880
ttcatttggt	tttatgatgg	gaggagctc	ctcagcctcc	tcattgacat	tctggtccgg	56940
ctgaatcaga	tctctgaatt	aagtcagggt	gggttgtctg	tctgcatttg	ggaggcaggg	57000
gggttgacct	ttctccctcc	ccacctgact	tcagcttgag	atcttttttt	attcatttcc	57060
tgatgagggt	tccttcaactg	tcctacaaa	aaaagtgtcg	gtcaaaactgt	gacactgcca	57120
cacctcacct	ctgttgccctc	gtccatccct	gggttgttga	tccttccctt	ccagcccccc	57180
ctggaaaactc	acaatattac	ccattatact	gaaggcaaca	ttgcctcacc	gctgagcttg	57240
aaatcctggg	gaaggggagaa	ggggtaagct	tttagcattc	ctgttttttac	gaggtggagg	57300
ataaaacaat	ataattccat	tccaatccag	ggcttttggg	gagatgaaga	gccaaagaagt	57360
ccagacccca	acaggggagt	gatttttggc	taaaaaacaa	ggaaaatgaa	aagtaaatat	57420
tcgagttaca	tggattattt	atactttttc	tttataatca	tatcatgtgt	tgagggtatt	57480
ttttttccct	taataatcaa	gaaatgcctg	ctatagttca	gtggcaggta	gtgtcaatgc	57540
aaattgtgcc	ctaagttatg	cataactcaa	atgagagtct	gtagagatgt	ggtcctcctt	57600
ttgcaacaag	gctgataaca	tgctacatgg	tcataggaaa	ctggggaatg	tgtctctgcc	57660
tgtaaaactct	tcctttttttg	aacagggtag	agatgtccta	aagaaatgga	gaaaagaaga	57720
gaggactctc	aaggcatcag	cctacacaga	cacacacaca	cacacagaca	cacacacaca	57780
cacacagaca	cacacacaca	cacacaatca	caatatacaa	tataagcttt	agaaatagcc	57840
acttgccctat	tccttggggc	aagtagtggt	ttaaaactaga	ggagtctgat	caatgctctt	57900

tcatttcattt	aactaccggt	atacctcgca	agggagtttt	aaaaaatgtg	cgtgagctgt	57960
taaaaacttc	tgttcatggt	cctacatctg	atztatgcat	atztatatg	cagagatcct	58020
atcacgtgga	tgcaggtcac	tttgggggag	ggaggaagat	ctgaattata	tacatgtggt	58080
cagttctgct	gagagcttca	tctcttggtt	ggcagagggg	ggtgttatct	ggccacaggc	58140
aaggccccaa	tgtcttcagc	ctgcttggtt	cagacattat	aaaactgtgg	tggcttcctt	58200
ccttcttggt	ttatgttggt	tctgaggcct	catgccaccg	ttgagaacca	tagtggaat	58260
gtcatcaaca	ctgaacatgt	tatagccctt	tcttggttcc	accagtcctt	tcaccccta	58320
ccaatccctt	ccccttcacc	tccatggtct	tggtgctaag	ataactttag	aatcattgct	58380
gctagtcaat	agcttttcat	tatataaata	tattatatat	attatatatt	atttttgaaa	58440
tatttttgtt	tgttttcaac	agtgatgtag	catgttaaaa	aacaaaaaac	aaaaaaaat	58500
gggttccctc	aactgtccca	ctgccaggcc	tcatatgctg	ccttcttcaa	caaatcaatg	58560
cacccctgcc	tggtgacatc	cacccacact	cccaaccag	ttgcacacat	gcttccctac	58620
cctcctctga	gcaagaagac	agtttagcag	aactagcaag	gaaaggctga	aagcctcctt	58680
ctgaggcttt	gagattccca	gccccattcc	acttccccac	tttaaactga	tgtctccctc	58740
catctgctcc	tcccatcagg	gtcaaaaact	aactgtgggt	aaatgggatg	ctgttgcaaa	58800
gcaccagggt	ccacctggcc	cagccccagc	cttgggactt	cctctccctc	cacacacgca	58860
aactgctgtg	tctggggagt	tttcaactgaa	cattgcagag	actaagaagg	gttgagggca	58920
gagatggcta	gcaagacagg	gcttggtgag	ggcagaaaca	gtaggttgag	atcctttctt	58980
ctagccaaca	gttgcccttac	accttacatt	gggtaatggg	tagggaggag	caggctaagg	59040
ctcccgctca	tttgaatacc	aggaagagag	aaccagtgtc	ttcctgagca	cctgggtcagt	59100
tggagctact	ctttttcctc	tcaagagatc	atggccaaaa	tgagctaaaa	tcttcagcta	59160
gaaggggaaa	agcttatggg	ccagtgccag	tgctaccct	gtagtctctg	agaaagctga	59220
gagcagggtga	cccacttctg	gcctagcaga	atgagctgct	atgcacagca	tgacagctga	59280
ggggtcactt	cctgagctgg	ccaccagacc	tcggaaaagc	taacctctca	ggtggtcttg	59340
aagttagggt	agggcatccc	taaaactctg	ggtgcttggt	gcttctgctg	aatttagcca	59400
tgccagggtc	gtggcagaca	ctctgtaggc	cacactgcca	tgggacaggg	aataatttgg	59460
gtgatacacc	actgcaattt	acacgggggt	tcttctcagc	ttggatgctc	cctgggaggc	59520
ccagtgcctt	tgtcctgtga	attctgcatg	tgattaccca	tgatttctgt	cataggcatt	59580
tcccactcct	ctgcttgctt	gagaaggact	tggactgatg	ggacactcag	ggtctagccc	59640
agggagcata	tgcttggtcta	acctaactct	cccttgatgt	gtatacagaa	ctgtggaaaa	59700
gcagttgggt	gatcccaaat	gttgttactt	cagacaagac	agagcccttt	aactcagcct	59760
ctggtctagg	agtgatgact	acaggccttag	aatgaagtgt	gtctctgggg	ctgagacttg	59820
gcataactgg	gctggctgat	tagtgacttt	ctttggctcg	tagggttggt	gggaagttag	59880
atcaaccttg	aggcccagggt	ttgtggccaa	ctgtgccaag	gtgatacctg	gcagagcctg	59940
ggagccagag	cccttatgat	taatatgata	tgcttttctt	tcattggagg	caaagaaaaa	60000
atccactgcc	atctagtata	tgtgaaacat	gaggacagcg	cagtcaagtc	tgtaacctct	60060
gccatgtcag	aatccccaag	ttttgcttgc	ctggttgaat	atgagagtc	aggcatcaga	60120
aacagcagcc	ttattttaatt	taatttttct	aatgaactgg	ctatgacacc	ttgtgatgct	60180
aggcacatcc	tcattttccc	atcctcaact	gggaactgaga	gcaggctcaa	gttccagggt	60240
ccctggatgg	caagggttcag	tgctggggcc	tggaactctat	ggcacttggg	ggtctctgac	60300
ctcagcctct	gccacatggt	tccaagttga	gttgtttttg	tgaggtgggt	ctccctctga	60360
gttgcttatg	ccaacccctt	aatttaggaa	aagtaccttg	taattactta	aggtaatgtt	60420
taaatgtttt	ccatttcattt	ggaggtgggt	ccaacagggg	ggaaagcatg	cagaaggctg	60480
gaaacaatat	ctgagaccc	actgtggggc	cacagccctg	gccagccggg	cactgagggg	60540
ctgggtgcat	gttacttgat	caactggagc	ctgatgggac	ccaggaggtg	gcttgagggg	60600
atgaagtata	acttccctct	tctggatccc	ccctttcatt	ttccttctac	ccctctctag	60660
aatgggagtt	ctagacctag	gtctgctttt	ggctttcagt	ctgggttgat	ttccaagctg	60720
aattcatgct	ttttcttggc	ccataggctc	aattttggca	gaaggcattg	gaactgtgct	60780
ccctccctgc	ttcaagaggc	agatctagcc	aggccagggt	gaaacagctg	aaacaggcag	60840
gccagtcctc	ctcagacaag	aaaggggttt	tcagagggca	gtgggtgtgc	cattccagac	60900
accagtcttc	tggggagggt	gtgcctgtgc	atgggtctca	gtctggcctc	ttcctcagtc	60960
ctcaggagga	ccaagagac	tggcacggcc	cttctcctgc	ttggagggaa	accatctctc	61020

cacttggtgg	gggcccttct	cttgccatct	gttggttagg	gtgcttgagc	tgagtggatg	61080
gtgctgtgat	atttttaagg	agcctttcag	gcaatgtttg	catgttagcc	agagggagaa	61140
aaagtgcctt	tttgggagga	aaatggtaag	ccctccact	tccatctggc	actcccttcc	61200
ccccacccc	ctcaagtggg	atcaccttgg	aaatacctat	gcaatccagt	ctccctagga	61260
gagagtgcac	ggaagcaggg	gtatgtgcag	tgtagaatac	agatgctaca	gcatatatgt	61320
tgtatatatg	gacatatata	gtacgtatac	acacagagta	agagagtaaa	tcacgtctat	61380
atatctataa	ataatatact	atatatttat	acattttctat	gttttaaata	gatataaaaa	61440
tagagtctat	agagctggga	gagcagtggg	aagcctggcg	ctgtgctgtg	caaaggggaa	61500
gggagcacgg	ccttcggaga	gggagccggg	gaaggccagc	aggcagggtt	ggctggcaag	61560
ggggcctcct	acccgagagt	ttggagagga	gagtggctgg	gtcccggctc	gtcccatgca	61620
ctttctctcc	ttttccacag	gcttgggtctg	aggttggaa	gagatacccc	ctgagctcca	61680
gctgaggtgc	cccctacctc	tccccacccc	cacagcccac	gcttagggcg	tcactgctgc	61740
ttggcagtag	gacgtggtct	ctgactcctg	gtggagggac	cactgcacaa	actccttcaa	61800
aacctcctcc	caccaggact	gagcagcgct	agtggcaata	ggaaagggtc	aaactggatc	61860
aagagctggg	ccaggaaaga	taccgcccct	gccctgttag	atgcttctgc	tgccccataga	61920
ggccaagccc	ctgaagtgca	gccgtcctgg	cctccctcac	ttgctcaacc	actgtcagga	61980
ggagaggatg	tgggcagcat	gagcatcgcc	aggcagcgct	gccaccatc	cacaggcttt	62040
ctggccaggg	cagggggcat	cagctagcag	gaaacggtgg	gagagacata	tctgcacact	62100
cataaattca	atggctactc	cagtccagaa	gcagggtctt	ggcccagccc	gtcccgcgca	62160
gcagctgctg	ctggctgtac	tcaggacaa	gctgttcccc	ctccctcaca	gaggccccgt	62220
ggccccctacc	ccactccgc	cgtaacaggc	aggttttagt	cacatacact	gttcgcattc	62280
tgtgacttga	ggcagaggct	gagctgggat	accccaagct	catccacttt	cgttggggag	62340
ggccccctccc	tgggtttatc	accagctcct	agcccgggccc	gggcggggat	gtctgggggc	62400
cacgcggggg	cactggtgca	agctggcagc	atgacagagg	gcttgtgcag	ccctgacggg	62460
accagaagc	ccatttgctc	gcagtttctc	ctctctgttt	tttctcctct	ggaggttagga	62520
gagagggcct	gaccaggcac	cagatgatgg	agcaagggca	gctgcatgct	ccctctctcc	62580
agaccagcct	tctgcttttg	gggtccgaag	gggcattttg	tcccatcctg	agcctcctct	62640
gcccctgtct	tgtcttctcc	taccatccta	caagtacctc	agtctccagc	agggccaccc	62700
ctccacctgc	agcccagggc	gggtctgttc	tgccaatgcc	cacctccttg	agccacagtt	62760
agctgccaac	tgggtctttg	gacacctctc	agtacctggc	tcaagagaga	ccaggccggg	62820
ccgagccttc	ttcccactgc	agtggactag	accacggccc	aggggatggg	catccccagg	62880
tagcaatccc	acaatgcact	gtacctcaga	gagagagcac	gccaggggca	ccaagggacc	62940
gagccctctg	tccagagggg	gacagcggtc	acaatactgc	tcacccaaa	acaaaggcca	63000
ggctgccctc	gggcaacctc	cagtcttcc	ttttgtctct	ccggaagaac	cagcagctctg	63060
attcggctct	tttcagcccc	cgtctctctc	ttctccaccc	ccacgtgct	gaaccatttt	63120
catgtcaatc	acaaaggaaa	aataagtggg	gatgggggga	aatacctagg	agtctattat	63180
cacatacata	ttaatatggt	aatactttct	ttaaaaaaa	cctcttgatg	ttattatttt	63240
gcagaactacg	ctttatagta	cctgtgtgac	gggaacctaga	acactggata	caaatagagc	63300
tatgttgggt	tatcataata	tgtacgcaga	aactttcttt	ttgtcatatt	atccttgtaa	63360
tgtagaaga	ttgttaataa	aagcatttaa	atttactcac	cactgttgaa	ttgctgcctc	63420
cttgctctct	tccccggcct	gtgctctggg	tgactcagaa	cgggccccac	cacaagggct	63480
caggtgtcag	aataggagct	tgctgtctgc	caggttggaa	ggaactagaa	gaggccacta	63540
gccccctctt	gctgctctca	ttgttccccc	attagagtct	ctttccagca	agtaacctac	63600
gtgctctgcc	caccaggcag	gccaaaagag	gtgtgacaga	aacgttttaa	aataaatctc	63660
tctgccccca	tatgcattca	tcccacaaga	atctcctgga	ggcagcacac	aagggtctgt	63720

<210> 47

<211> 2208

<212> DNA

<213> Homo sapiens

<400> 47

```
gtcttgagga ccattctctcc cggcagcata ccgtgtggct tcacactgct ctgcctctct 60
gaacctcggt ttcttcatct ataaaatggg aataagagta agccacctca atggactgtg 120
ggaggcttaa gtaaatgaa gtgccatgca agtagctagc atgcagttgc agctcaatga 180
atattatgat ggccgcagat acgatggcta cagctggggc acccatttcg ggtcacaagg 240
tagggttcaa tgttgaagat ggcagagcca attgcatccc tgatgatcgt ggagtgccgg 300
gcctgcctga gatgctcacc tctcttcctt taccagagag agaaagacag aatgaccgag 360
aacatgaagg agtgcttggc ccagaccaat gcagccgtgg gggatatggg gacgggtggg 420
aatccgagcc aggagtatgg ccagccctgc tctaggagac cggactcctc ggccatggaa 480
gttgagccca agaaactgaa agggaagcgc gacctcatcg tgcccaaaag cttccagcaa 540
gtggacttct ggttttgtga gtcttgccag gagtacttcg tggatgaatg cccaaacct 600
ggccccccgg tgtttgtgtc tgacacaccg gtgcccgtgg gcatcccaga ccgggcccgg 660
ctcaccatcc cacagggcat ggaggtggtc aaggacacta gtggagagag tgacgtgcga 720
tgtgtaaacc aggtcatccc caagggccac atcttcggcc cctatgaggg gcagatctcc 780
accaggaca aatcagctgg cttcttctcc tggctgattg tggacaagaa caaccgctat 840
aagtccatag atggctcaga cgagaccgaa gccaaactgga tgaggtacgt ggtcatctcc 900
cgggaggaga gggagcagaa cctgctggcg ttccagcaca gtgagcgcac ctacttcggg 960
gcgtgcaggg acatccggcc tggggagtgg ctgcgggtct ggtacagcga ggactacatg 1020
aagcgctgc acagcatgtc ccaggaaacc attcacgcga acctggccag aggagagaag 1080
aggttgacga gggagaagtc tgagcaggtt ctggataacc cagaagacct gaggggctcc 1140
attcatctct ctgtgctgag acagggcaaa agtccctaca agcgtggctt cgatgagggg 1200
gatgtacacc cccaagctaa gaagaagaaa attgacctga ttttcaagga tgttctggag 1260
gcctcactgg aatctgcgaa ggtggaagcc caccagttgg cctgagcac ctactgggtc 1320
atcaggaaag tcccaaata ccaggatgac gcctacagtc agtgtgcaac aacaatgacc 1380
catgggtgtc agaatatagg ccagaccag ggggaggggg actggaaggt ccccagggg 1440
gtctccaagg agccaggcca attggaggat gaagaagagg agccttcac attcaaggcc 1500
gacagtcttg ccgaggcctc ccttgcatct gacctcatg aacttcccac cacctctttt 1560
tgccctaact gtattgcctt aaagaagaag gttcgggagc tccaggcaga attagacatg 1620
cttaagtctg ggaaacttcc tgagccccc gtattgccac cacaggtact ggagctccca 1680
gagttctcgg acctgcagg taagttggtt tggatgagat tattgtcggg gggcagagta 1740
cgagtgggc tgtgtggagg gtagcctaaa gctctctgtg gaaaccacct tccgggagac 1800
ctgaggagtg taacgtggag gcggtacct ccgtgggtgg gagcccaggt cctcagtgtc 1860
tctggcagac ccacggcag ctctgccagg tgctccatgt gttgcccttg tatectcctt 1920
gtcaataaag gaagttccgc tgcagaaggg gtgtgtgtgt tgttcttgac ccgttgccct 1980
tctctggtac tgggtgtctta cccaaagcc caatttctaa acccagtctt tctctgtccc 2040
cagtctcaag cagggtgtcc cactggagag atctcttggc ttccctaact tagtccagga 2100
acacagcctt gttcttctct tctgaatct ctgtcctgcc acacatgggc ccagttccct 2160
agcctggagt tctagaagga tggagagtga ggggatccag gccattca 2208
```

<210> 48

<211> 1515

<212> DNA

<213> Homo sapiens

<400> 48

```
atgttgaaga tggcagagcc aattgcctcc ctgatgatcg tggagtgcgg ggccctgcctg 60
agatgctcac ctctcttctt ttaccagaga gagaagaca gaatgacga gaacatgaag 120
gagtgccttg cccagaccaa tgcagccgtg ggggatatgg tgacgggtgg gaatccgagc 180
caggagtatg gccagccctg ctctaggaga ccggaactct cggccatgga agttgagccc 240
aagaaactga aagggaagcg cgacctcatc gtgccccaaa gcttccagca agtggacttc 300
```

tggttttgtg	agtcctgcc	ggagtacttc	gtggatgaat	gcccaccca	tggtcccccg	360
gtgttttgtg	ctgacacacc	ggtgcccgtg	ggcatcccag	accggggcggc	gctcaccatc	420
ccacagggca	tggaggtggt	caaggacact	agtggagaga	gtgacgtgcg	atgtgtaaac	480
gaggtcatcc	ccaagggcca	catcttcggc	ccctatgagg	ggcagatctc	caccaggagc	540
aaatcagctg	gcttcttctc	ctggctgatt	gtggacaaga	acaaccgcta	taagtccata	600
gatggctcag	acgagaccga	agccaactgg	atgaggtacg	tggtcatctc	ccgggaggag	660
agggagcaga	acctgctggc	gttccagcac	agtgagcgca	tctacttccg	ggcgtgcagg	720
gacatccggc	ctggggagtg	gctgcgggtc	tggtacagcg	aggactacat	gaagcgccctg	780
cacagcatgt	cccaggaaac	cattcacgcg	aacctggcca	gaggagagaa	gaggttgcag	840
agggagaagt	ctgagcaggt	tctggataac	ccagaagacc	tgaggggtcc	cattcatctc	900
tctgtgtgta	gacagggcaa	aagtccctac	aagcgtggct	tcgatgaggg	ggatgtacac	960
ccccaaagcta	agaagaagaa	aattgacctg	attttcaagg	atgttctgga	ggcctcactg	1020
gaatctgcga	aggtggaagc	ccaccagttg	gccttgagca	cctcactggt	catcaggaaa	1080
gtcccccacaa	accaggatga	cgcctacagt	cagtgtgcaa	caacaatgac	ccatggtgtg	1140
cagaatatag	gccagaccca	gggggagggg	gactggaagg	tccccagggg	ggtctccaag	1200
gagccaggcc	aattggagga	tgaagaagag	gagccttcat	cattcaaggc	cgacagtcc	1260
gccgaggcct	cccttgcatc	tgacctcat	gaacttccca	ccacctcttt	ttgccctaac	1320
tgtattcgcc	taaagaagaa	ggttcgggag	ctccaggcag	aattagacat	gcttaagtct	1380
gggaaaacttc	ctgagccccc	cgtattgcca	ccacaggtac	tgagagctcc	agagtctctg	1440
gacctgcag	gtaagttggt	ttggatgaga	ttattgtcgg	agggcagagt	acgcagtggg	1500
ctgtgtggag	ggtag					1515

<210> 49

<211> 93483

<212> DNA

<213> Mus musculus

<400> 49

ttgaactcct	gtctctatgt	accagctgc	ttgtgaataa	actctatttt	tccgaagctt	60
gttatcttag	ggtttcaatt	gatgtaacaa	aataccgtga	ccaaaaggca	agctagagct	120
agagaggaaa	aggtttattt	ggcttagact	tccatactgt	agtctgttat	tgaaagtcac	180
tgaagggaagc	caggacaggc	actcaagcag	ggtaggaaac	catggagggg	gotgcttact	240
ggcttgctca	ccacccccct	cctctttctt	ttcttttttt	cttttttttg	tgttttgaga	300
cagggtttct	ctgtgtcctc	ctggctgtcc	tgcagtttgc	tctgtagact	agactggcct	360
caaactcaga	gagatctgcc	tgtctctgcc	tcttgagtgc	tgggattaaa	ggtgcgtgcc	420
accacagccc	gaattctcag	ccttttttct	tacagaacct	aggaccacca	gotgggtgtg	480
agcactcaca	atgggctggc	cctccttgg	ggcctcacc	atcaatcaat	aattaagaaa	540
atgtttctaca	ggctagacca	cagcctgact	ttagggaggc	atttttctca	accgaggttt	600
cctcctctca	gatgactgca	gcttgtgtca	agttgacaga	aatctggaca	ggcactttgt	660
cgtcccaggg	atggatgctt	ggcgcaatgg	ttttgtgaaa	caggcctggt	ggggttgacg	720
aagacagctc	tcttagccta	gagctccggc	ctctcaccct	ctttcctttg	accgagacc	780
ctgtgacagt	gctggagaga	gtgaatgtcc	gttcaggctt	ggagacgctg	ggttaaggaa	840
aataagcaga	ccttgagccc	atggacagca	ccaggtgtct	tcagaggctt	ctggaagctt	900
ccacagctgc	ttccggttcc	ttctccttcc	accacccccc	tcttgccctg	gcttcttctg	960
ggacattcca	tctttcttca	atagcacatc	aaaaactggc	gcctcctggg	atactcattt	1020
tyccaatgag	ctcaggcctc	ctactgggac	tycacctggg	gaagtgaggg	gaggacggaa	1080
ggaagtactc	ccctctctct	ttgaactatg	ctttttgata	ttgttcactg	ctatgtccta	1140
catggcacaag	atgttttccc	tccaagggaa	gggttctctg	ggctgtagtc	aagatgcaaa	1200
cagtaactac	tgcgggtgtg	gctgcatgca	caggtgtgtc	gcacgtgtgg	tygtgtgcca	1260
tgcaggtgtg	ctgcatgtg	ggtgtgctgc	catgtgtgtg	tgtgtcatgt	tygggtgtgt	1320
gccagggatg	gagacggact	ggcctcagct	ggtgatccct	ctttgaggtt	tcacgtgagc	1380
tcagccaggt	ggaggtgcgt	ccattgcacg	tjaatgcgca	cacatgacta	gtgaaaagag	1440

tacaggtccc	atggggcatta	ctctcttttct	ttgggggtctt	agcacaagac	agcttcagac	1500
ttccagatgc	atgaggggtgg	aaagtgaaac	attccatttc	tccactccac	acgagtgtgg	1560
cccccttttc	tgacaatgag	tttgattggc	tggggtttaga	gagtttccat	ttctctctgc	1620
tctgaatcaa	attgtgagga	ctctttttgct	tgaatccaaa	aatgaaatga	agggcatccc	1680
gcacaaataa	ctttccttaa	ttgttggttt	tttttccctag	atgacagctg	atggagaaac	1740
atcgagatg	gaaaatacat	atgggtacttg	tacacacaca	cacacacaca	cacacacaca	1800
gagacacaca	tacacagaca	cacacacaga	cagacagaca	gacacagaca	cacacacaca	1860
cacagacaca	ccacacctct	gttgatatata	gccactcaga	ttctttcccc	ctgctgaaaa	1920
tcacttgact	tcctgcagaa	gaactttctc	tcacatctgc	ttctagtggc	cagtgtatcc	1980
aggggtggtg	agccctactt	tgtaagccaa	gagcctgaaa	catttctttt	ctgaagtcag	2040
tccttcagat	tccatagggc	aaaggacaaa	ctaaaagcat	gatgtaggca	tttctttttt	2100
gtttgtttgt	ttgcttttctg	agacagggtt	tctctgtgta	gccctggctg	tcctggaact	2160
cactttgtag	accaggctgg	cctcgaaactc	agaaatccgc	ctgcctctgc	ctcccaagtg	2220
ctgggattaa	aggcgtgtgc	caccacacccc	cgtgatgtag	gcatttctat	aattatttgt	2280
aacataacca	cttaaaagca	aaaccatttt	gttggtgtca	ttctctctct	ctctctctct	2340
ctctctctct	ctctctgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	atgtttgtgt	2400
gtatgtgtgc	catgcatgca	catgccacag	cctgcttctg	gcagtcagag	gaatattttc	2460
aggaattgat	tttctccctc	cctcttgggc	tccatcccg	gctcgacgg	caaacacttt	2520
caccactggc	ccatctcctc	ggccccataa	gaacgatttc	taatgtgtga	tcacagtctg	2580
gccagacttg	gagcctatac	ttgtcttttg	ttgtttcttg	ccatcaacca	agacagtccc	2640
tgaggcatct	tctggtagat	cctgcttctt	accataagt	acagagggtt	atgggggtgg	2700
gaacaacttt	gtctacattt	ttaaaatgac	caagcgtgca	atggggtaga	aggggtggagt	2760
taaagttcgt	ctctcttata	ccaggcccaa	gcttggtgtg	gtcatgctta	ctttccaagc	2820
ttgtttctaa	tcctccttca	cagcctctct	attcattcag	cacaggctct	ttccccgtga	2880
ggtaattaga	gctgggtttct	tccgctgcct	cccagagtga	cttgactgat	gactgatgat	2940
gtacatcata	gaagatccac	gtgtccatcc	cagtggctca	tttgagtgtg	ctttcaggga	3000
cacacaaccc	cagcccatct	cagaatcctg	gatttctaca	cctcctttcc	atggaacagt	3060
tgtggtggtc	ccaggctcctg	agaccctctc	cagttttggc	tgggaatgct	caagtgtttg	3120
agtgggcccc	ccttactggc	acccttcttc	ttggggtaga	atgacatcag	tgcagtagtc	3180
accatgggct	cagcctgact	gagtaataag	aggatctgtt	tgtgcaattg	tctctgcaat	3240
gtgcaacaca	gaatatggca	gagactcaag	tcaactttgt	ttggaggaaa	gggacagcat	3300
tggctcctgt	cactgaagaa	ggcacgagt	ggagtgaagca	gggacacggc	tccagcaggg	3360
acagctgctc	cagcttctgt	ctcagtttag	ctcaggtgac	atgctgctac	ccaatgcctg	3420
gagctgtcaa	cctctacctg	ctcccagtgc	aggatcttca	ttgtcatttg	gttattggtc	3480
catctctggg	atgagagcct	gcctctjagg	tccgctctca	gggacacccg	tctcaaatat	3540
ggttccccgag	gagcagaact	gaagcgtgtt	tattcaggat	cttgacgttg	gaacattctt	3600
tgttgactaa	aaaggacata	gacggaaata	aaaatggcat	taattctatg	ccttcttcat	3660
tgggtctagg	tgatcattcat	acagctctcc	atcaggaagc	tcttagctgc	tgggttaaag	3720
gaaatatgtg	tgagctctag	gagggtcaagc	agtgaactta	agatgtctgt	ctgcatagtc	3780
cctgtgagtt	gggcccagcag	ggttcctctca	actgtctctc	tgggggaagt	ttctgagatc	3840
ctaggaacag	gtgaagtacc	agaaatggtt	tcaagtggga	ctgggctagc	tcaatttggg	3900
gatgagcact	gaacgtacat	tctaaacaga	cgcccaggta	acacagtaag	agctcactgt	3960
gtaggcttgc	aggtatctgc	agagatcctg	agaaatgtgg	gtctgtaaa	ctgactgagg	4020
cgggtgaggga	atgaagaatg	gacagagaaa	tgagagacac	gtggatatag	aaaagctagg	4080
gtcaggtggg	tctgtgtcac	cctggtggag	cggaaccagc	ttctgtaaa	atggggaaac	4140
tcagtcattt	attatgtatg	gcagggttag	ctagtattag	gtggagctca	gtctcagcct	4200
gtgaacagga	ggagggaagt	atagttgtgt	tggttcattg	cactggccaa	tggctagtgg	4260
atacagtgta	aaggacagaa	ggagcctttg	cctttccaaa	cctgactcag	ggaaaagggt	4320
tggctactac	ttcccccatg	acattgtgtg	ctcatgtaaa	atcatgcatg	ttcattcaga	4380
gctctctctc	ctccctacag	gtgtccgtgg	gaagaaaacag	agagacctag	ggggaaagaca	4440
gactaggcag	agaagagagg	agccggcaca	ggacgctgct	ggagtctctc	caggaggggc	4500
tgttgaggga	ctgatctcac	cccgtgagc	gggttgcctg	tggatctttc	tggaaagtcag	4560

ttgctaaatg	tgggctgcta	ggtggaggtg	ggagaacgaa	gagagcgacc	ttccagatag	4620
tccctgtctg	ttgaggggtga	ctttactgta	cctgggtggga	tcccaacagg	aggatgggtg	4680
ggtcacatta	aagaaggtct	taccgtgggc	tcagtgaaga	gatggctcag	tggttgggag	4740
tacttgccgc	tcttgccagag	gacgtgggtt	caattcctgg	cactcacaag	gtggcttaca	4800
actgtctgta	actccagttc	caggggatcc	aaggcacttt	tctggctttc	aggaacgaca	4860
ggtccacaca	catgtatgca	ggcaaacact	tagatacata	aaatcatttt	taaaacgtct	4920
caccaggcca	agtgtggagg	ccaaagtcct	taatcccat	actcaagagg	cagaagcagg	4980
aggatctctg	tgaacttgag	gccagcctga	tctacctaga	gcgttcaggc	cagccagggc	5040
tacattatgt	ctatccaaaa	caaaacaaaa	ccactctaga	actagggtgtg	tggagatggc	5100
cacgggagga	atggaagccg	agccccagtt	gctttgagac	tgtacttttc	gccttctccc	5160
attagactta	ttcttcttgt	ctgtgttggtg	ggtggcggtt	agccttgctt	agcttttaggt	5220
ggctttgccc	atctcacagt	taggccctct	attccagaag	aaagctgcct	gtctcagcag	5280
gcatgagctg	ggccaaagct	gccacgtggg	ctcgggtaag	ccacaggcct	gtgtatctct	5340
gacaacaggg	agtgaagcta	aaaatggcga	gtcttgtctt	tctagagaag	tctgactccc	5400
actctgttca	cttcttgcc	tgaaggcaac	ggtgcgcaga	agttttgctt	ttaaccacaa	5460
tccacaagaa	ctgaccacagc	aagcacacat	ataccccc	tctcaccctg	atagctgtct	5520
gacatccttt	ccctggagag	gaccttcc	ttattttctg	tcttgtttat	ttgtttgggt	5580
taaagggct	ggttatgcct	ctacacatga	atttctctgc	ccattgtaaa	gtcactgctg	5640
taaggcaaca	tggagtgggg	gttgcccttc	ttatgcccag	gaagctctcc	tagcatctca	5700
ggtgtcttga	ggacaaggct	gcaagatgtt	ggcagaagac	agtggctgca	gcttagcagc	5760
caccaggctc	tcgtttttta	aatgtgaatc	ttctctctct	caccgcctc	tcccatccaa	5820
acaagaaact	gtggcctcct	tatcagttcc	tgccttccct	ggaggtagta	cttctcagtg	5880
cccaggcccc	ataggcagcc	cttcagccta	gctggctctg	gtgcacaccc	acccaatcca	5940
ctccagggtg	gtctaattct	ccctttccac	acagtcagta	ttggggagcc	tgttaagctg	6000
acgtttgtag	tccttgctga	gggactgcta	agggggccat	gtttgctttt	cttgctcaat	6060
ggtcaggctg	tgtgaaggaa	gagcactgtt	ggctaactgt	cctgacaatc	tgtactactt	6120
ccccaaaaact	taaactggac	acacaaaaat	agtctgtgct	gggtgttaga	attgaggctt	6180
gaggatcgaa	cctatataaa	atgcagtcac	atggtaaaact	caagcttggc	tgggaacaga	6240
gcagggaagc	agcagggcag	aagccagggtg	gccatagaca	gcgtgcata	gcctgcaagg	6300
agagcagttg	ttaaggcatt	tatggactat	ggctgtgtct	agatgctgtg	gacagaaact	6360
gatttgacac	ggacaggctc	ctgttccctag	tctgtcagag	gctcagcaaa	ggctattagc	6420
ctgagtcaca	gatggcctaa	ggactcagct	ccccttcagg	acttggtcct	gttgagggtc	6480
ctatatattag	ccagtcacat	caaaactttg	tcccacaagc	catcaacaag	agatatcgct	6540
cctcaccacag	agggacagat	gcccagagct	attcacagtc	acatgggttt	caggatctca	6600
tctggggaca	ccagggcaga	attcttccac	atcaacaccc	agaccactcc	attgtttctg	6660
tgtgtgcaca	gaccagcagg	atagggtggt	ggtttaaaaa	ccaaagcctg	gagagagggc	6720
tcagaagtta	agagcaactgt	ctgctcttcc	agaggtcctc	agttcaagtc	ccagcaacca	6780
catggtggct	cacaaaacatc	tataatgaga	tctggtgccc	tcttctggcc	ttaaggcata	6840
tgtgcaggca	gaatgctgta	aacttaataa	atcttaaaac	aaaaacaaaac	accaaaggcc	6900
attccctcag	accagtcctt	aacacccata	aaacagctaa	ctcacacagaa	ccttcatttt	6960
ttgtccattt	atttagaaaa	aaattaacat	gagcaaatga	gataccctcag	tgttacaaca	7020
gagtatagaa	atgtctagca	ataatcaaat	aatttgatct	ttaaatacaa	aataaccaca	7080
tgaacaccta	atatacaggt	ttcatctgaa	tacatatctt	ttagataaat	attagaggtc	7140
acatcatcta	actgcataca	gctttgcaag	actagaaaac	acaattagtt	ttttttctct	7200
gaccagtcac	aagtatgaaa	tgattgcagt	gtacatacga	tgtacaaaaga	caaggggggg	7260
ttctgtggac	gtcacttcag	gctgcacgtg	tgggtgtgga	tgtgtgtacg	tgtgaatcac	7320
ctgtgatcat	gatatacaaaa	acttatacaa	agtatatgaa	tttggttaca	attttctctt	7380
gaaatccccg	ttctctctcca	ttgtttccat	agcaacctaa	aaatacacag	gtggcagggc	7440
caggacacag	aaggtaaata	gtacatgtag	gtaaaaaata	aaacaaaagg	gaacaaaaac	7500
gcctctgcac	acagggtcag	tatattacag	gagacaagga	cggagtcaag	aaggctaaca	7560
aacgggatct	agtattccac	gtagaatgaa	ggagttccaa	gccttttgggt	gtttctctgt	7620
tttgtaaaat	aaaaacaata	cacattccgg	gagaaatgaa	tgtatcttgt	tgacatgtct	7680

atttctcatt	tacatatgta	cacacggccc	ttgagtcgct	gctgctctct	gcctcgtctg	7740
gattgggcag	gcccaggggc	ccatggggag	cagacctgta	gctctctggg	atthagggct	7800
tccgttaggg	agaaagtgtt	aggaatcttt	taaaaataa	aatggctaca	ggatacgtga	7860
gacatgaata	aagcttcaaa	ccaagaagat	gaggggtgatc	gcctgtgcgg	ggggcggggc	7920
ctttcccac	tgcgcatgct	ctctcccagc	ccagccgctt	agctgagtg	cggctgggtac	7980
gtgcctatgg	gtgggttgct	cgttgtggta	aagtggcttg	ctgagacctc	atthcggagg	8040
ttactatggc	tccaagttgt	tgtaagaaa	gactgaggat	ctttccagag	cctaggcctg	8100
cctctgttta	tggtatgtac	ctttacctgc	gtctgtcact	accaaggcat	ggctccagcc	8160
cccgatgtct	ttgtagctct	ctcaaaccct	ggatcggctc	caacatttct	ctggaaggag	8220
acattttcgg	agtgtgggct	tcaggctctg	tggtgaactt	gctgggtggg	acttgccctg	8280
gagggagcct	taggaaatca	gcctcagggtg	tagcctcggg	tgtgaacgga	gagatgacca	8340
gagaggctgg	gctactggga	agtgtctagg	ccttttgcac	tggaaagctg	tggagaacct	8400
gggcatgcct	tgacaggaac	tagcagggac	cccaggctgt	tctggggcac	agtatcacgg	8460
caagaagcag	gaacttgtga	gaaaggcatt	tgtcagttctg	aagctgaaca	atccgtacag	8520
tccgacagag	cacggccctg	tgccgggcca	ccgacactgg	gtagggatag	ccacggggta	8580
cctgggtgta	tgctccctacc	agctgactga	gagtgggttct	caacagtggg	ttgcttggtc	8640
tctcaactcg	agcacagccg	cctcttctgc	tctctctca	tctgtacaaa	tagccctggg	8700
tggtttttgt	ttgtttttgt	tggtttgttt	tggtttttta	aaaaaggact	cgggttttgt	8760
cactgagtca	agatatttta	aaaacaccag	caaaggctat	aaccagggtc	tgaaaatgtt	8820
gaatattatc	aaagacaata	ctaaaatatt	cacaaaagata	tttacaaaag	cgattcttaa	8880
aataattgat	ttgcatactg	aacacactgc	ttgaaaaaac	cttaacaaca	ggacaaaggga	8940
agaggagggg	tggggaggtg	gcagctttcc	ttgtgccttt	tttttttttag	ggtgacaata	9000
agtcaacagc	taggggtcac	ctttctgggt	caatctatat	taagagtgc	agggagcaca	9060
gagggagggt	aatgaccgat	gacaaatgag	gacgtgggca	gtggacagga	ggcaggagaa	9120
ggccttgggt	ggcagcatcg	gagaagggag	caaagaattt	acagatggga	ctcatgtgag	9180
cggacaacct	ggcatcacca	caggcatcac	cgtaggccat	gaggctcagg	gggacacaga	9240
ccagcctggc	acaaagcagg	cgagtgcaca	gccagcaggg	gactctaagc	tggttgaggt	9300
gaaaaagcag	aggaggggcca	gaggctgcac	ttgctgggtg	agcaggagtg	tgagcagagc	9360
tctggatgga	gggagaaata	cagggagtga	caggccataa	atgccacaaa	atgcttgctt	9420
gotgagatgc	tctggtgcac	ccagcaaaag	tctgggctgg	agacaggcag	ctttgagcag	9480
agaacctgct	ggaccagact	gagagacttg	gagatccatg	aaggccctgc	tgtggagtcg	9540
tttccctggg	ggcctatgct	gcttccctac	catgtgcccc	tacagctgtc	tggggaaagg	9600
agaacccaga	gggaagtggg	tcccatggaa	tagttctcaga	gaaggaaagta	tgggtaggag	9660
gaaggaaaga	gaacatgggg	ggaaatggct	tgcttgctgt	ccagatacaa	tggtcccttc	9720
cttcagagct	ccttcttcag	agctcccccgc	tgccgggtcat	ttaaaagcag	ggattggctt	9780
ggggcaaaagc	tgcaaggccc	tggtctgcttc	tgtggggctc	tggtctggcat	cttccctctg	9840
cctctaaacta	acggagggtg	ccctttgggtg	tggtgcacac	actctctgct	ccccgcaagg	9900
catggccctg	gtctgagtta	aggagccctc	ctctgcactg	tcttggtctc	ggggaaggcc	9960
ctgaacctgtt	tcttgccagt	ccctacaagg	tgtggcactc	tctctcagac	acggcacttt	10020
gtccttggtc	tgttgagaga	gtgtttacag	ggcatcttgg	cttagaagtc	agaggccaaa	10080
gccaagaccc	ccggccttga	gggatgggtc	cctcccccaga	gggttggtgt	ttctgtgtgt	10140
gtgtgtgtgt	gtgtgtgctg	gtccttctct	actgctgcac	actgtcacc	ctctcccaag	10200
gottgtccac	tacccgtggc	tgggggccgg	agccacaggct	tcttttgggt	tccagtcact	10260
tgaaggaggg	tctgggccc	gaggcgggga	taaggtttta	aaacatggaa	gaactttggg	10320
acaactggaag	gtcgggtgtc	tgaggtcagc	acacatggag	ggacccacag	tgcacattgg	10380
catgtctctt	gtgggtgctg	gattccctca	gcttgggttc	gtcttccagg	ggccgtcttc	10440
aggcttgctc	taggcacaga	tcccagagca	tccaggccaaa	caggactgga	gacccacatg	10500
gcttccctctg	cctagtgtgc	tctgctcagc	tctcagcctg	aggtccctgg	gtgggagggc	10560
tgaacatggg	ctcctgggag	gaataggatg	tggaacagat	ggggtaggag	gcagagtggg	10620
gagggatggc	ccagtgagag	agtggccctc	agttgttctc	aaagagagac	aggaggtcat	10680
cgttgctatt	gcttgggaag	tggggggggt	ccaggttagga	aagaagctca	tccgggtttg	10740
tgaattccgg	cagtagctag	aaaagaagaa	gcctcgttga	ggtgtctgag	gctgctccag	10800

gaggagtga	ggctctctct	ggccttctca	ctcccttccg	cttgccctct	ggagttctac	10860
ctcaaagaca	gaaaacttaa	cagtgtcaag	tatgggcctg	ccggctgtcc	ccaagaccac	10920
tgcatctcag	ctgggggacg	gcatacccac	actcaacaaa	tgccaaggcc	ggggagaccc	10930
actgggctga	ccccctctct	caatgtcagc	cccatggcag	atcaagggct	ggattccctt	11040
tgattgctcc	tctgtctctt	cagaccctgc	caagagcatc	tttgggtcac	acagcctgct	11100
ggtataagcc	ctcggttttc	atccatgacc	acaaggcagg	ccgtgggaag	accagatggt	11160
ccccacagt	cccgagacta	ctctcctgta	atcttaagt	aactagtggc	tggccatact	11220
gtcctgtccc	tgtgtctccc	tgtcccccact	ccccgtgtga	caccttgaa	gtatgtatgt	11280
cacacagggg	cagaggagct	cctgaatcta	gaagcatccc	tcagtctggc	taaggaagga	11340
gagttgggtg	agaaaccaag	acatctgcaa	actttaagaca	gcactgcagt	tctccctgcc	11400
aagagctctt	tgatgccacc	gtgggtgggtg	ttgatagcag	ggccaggagt	tcagtacctt	11460
gggatggggg	ctggctacag	cttccagccc	ctggcggggg	taggagagga	aagtgtccag	11520
tcccaatctt	tctgtgatgc	ccaccacccc	gccttctata	ctcctgaggt	cttgggaatgg	11580
gagatgcttg	agtctcagct	gcctagtgtg	accctgtctc	cctcgagtca	tgtcctcccc	11640
acatcatctt	ctgtcatccg	acatggagac	ttcttgaggt	gagcaatgga	gcaagcggaa	11700
gcaggggaatg	gagacacacg	gacagggaaa	ccgcaagcag	acaagaccag	caagacgatg	11760
gtgggtgggg	tgtcattctt	agctcttccc	ctgcccaggc	cagaaggtag	atacagaaat	11820
agcaagcttg	acatgggggt	gtgagggagg	ggatgggaag	aagggcaagg	acctctctgc	11880
actatctcca	aggctctgac	tggagggatt	ggtcaagggc	ttacgtagaa	ggtgggtagg	11940
aatgaggaac	agggtctatg	ggccaaaggg	ctgatgggta	gggggtgggg	ttgcatgaca	12000
cacccccata	tggggcttcc	tagtgctaga	gtcaggggag	actggctggg	gcccatccac	12060
caccacccca	cttttccacc	cggggccttg	agcccttaag	tacccccctt	cttttgggaa	12120
ggtcacggtg	ccgagcctgg	cccagacca	agggtgtgtg	tgaccccaac	ttacatccag	12180
tgaaggttcc	ggcatgtcgg	atgctccctg	tgctccggcc	tgacctcta	aggctgagga	12240
ggggttaaag	gtcaggtcgc	tgtgtggatg	gttgccggga	gcggcctgtg	gtggctgccg	12300
gggaggtcgg	gaaggaggag	gagccccact	gtgatgtaat	ggaggccctg	cctggctgct	12360
ggggtgtggt	acgtgcaaac	cttgttgtat	ggagggatgg	ggctggtcag	aactgccagc	12420
gtggggcatc	tgtggaggag	gagagagcag	gagaaaagag	aggtgagggt	acggaggcac	12480
aacgacggga	tgcctggaga	aaatgaaaac	cgaacaaacc	aggaagtaac	ggacccccaa	12540
acgagggcac	ccttcaacag	agaacaatga	tccgcctgtg	agggacgggg	tagaaaaaaa	12600
acaaacaaat	cgtcctctcc	agaaaccaac	aaccaggaag	gctgtgaagg	gacaagtggg	12660
gaagggcctt	acaaagccta	ggaagggcct	cgagccagca	caggccagag	agcctcccac	12720
ccccacactg	tcacaacaaa	caacagcgag	gccagaatgg	acaagcaaat	ggacgtgttt	12780
ctgggaagcg	gtagctgctg	gcagcgtggt	gcagggccct	cccccgagga	ccagggcagt	12840
gcagagcagg	cgtggacaca	gcacgggcag	gcgtgcagct	ccccctgggt	ggcagtaaa	12900
aggagacagg	tgtctcagcc	gcttccctct	gggatgaaa	tcattctgcag	tcaaaatggc	12960
ggaccaggga	gaaaaacctg	ctggccaggg	gcatttcagg	gtactgcctt	ctccttgatt	13020
agaaatgggg	ttcatgggtg	gggtggcaag	gaacatggag	ggacaacctt	aaaggtttag	13080
tagggaattc	cattcctttt	acttaactca	tgtgtgtgtg	ggtaggtggg	tgtaaagggg	13140
tcttatgtaa	gtatgtgcct	ggtgaatgct	gtttgtcgtg	ctcagcagac	ccttccaaag	13200
agaaagcctg	aagcggctct	gtacatgtcc	agcaaaggcc	tcagcctgct	ctatacattt	13260
gcacagggcc	accagcaacc	tcttacatac	tgccaagaaa	ctatcatttt	ggtgacagaa	13320
tgtttccttg	gtctcgggat	atttccatct	ctgcccacac	tccattttct	ggttctccca	13380
tgcggggttg	ggaggtagcg	atcacgcacg	ccttgatctc	ccagacccca	gttctctctt	13440
ccattttctg	taaaagctgt	tcccaagtc	tgttttgatc	tggtctctac	caaaagtctt	13500
ggtgtgcctt	ttcttttgag	ggtgcagggc	tccagtgtga	caccagtatt	acagtattct	13560
tccagtgaac	ctcatgtggc	atggtataaa	gtggctggaa	gacaaggcca	catagtggta	13620
agaggccagc	tgagggtacc	cacttagctc	acaacagcag	atgtcccatg	acacccaccc	13680
agaggaaaca	gggagggaat	ccacactctc	atgaccagct	tagctcagga	cagacatctc	13740
ggatccctatg	atatagcttc	tcccttagac	ctcaacaaga	gtgtctcaga	gccagaagta	13800
ctgtctgtgt	gtctgcacaa	ctgtctgcta	gtggggggag	aaactctggg	caaacccagc	13860
cttggttaga	accttctaga	gaatcctgga	ctacacaaaa	aaactctccg	ccatctgcct	13920

agccagggcc	agctgcttct	agatacaaca	aggtagatac	accaagaata	gacctggggg	13980
tgtctcccca	tgtgatacaa	tgcgtagcta	ggcctgggtg	ctttcagtga	gatgaaagct	14040
gagaaagtag	gcacgccttt	gtggaattct	gggggggaga	tatgagcttg	attcaggtag	14100
aagatgaacc	aggaagcaaa	tagcttgggt	ggtaagagag	caaattggctt	tctctatgtg	14160
gcatctttca	ggatttgtga	gtatgaggac	ttgggggtata	cagtgtgtga	gggggtgatgt	14220
cggtgacatc	agctgtgtta	ggccgagggtc	ctgggtgagct	tagaggagga	gagcagtggc	14280
tccaagttga	gaacttcaaa	gtcagagtct	atatgtactt	ttctttctct	tctgtcatg	14340
ttttctttga	ggtaggttct	caagcatcgc	aaggctgacc	ttaaacttgc	tatgtagcca	14400
gggaatgact	ctgacttttg	acactccttc	cttcacctct	gagttttgag	atcacacgtg	14460
tgtacctgt	cctgtttgt	taggcagctc	tgcagaagcc	ccctacccaa	gggagctgtg	14520
tcgccaggca	ttgtactcat	tcttgggtgg	aaatcgggga	tgtaaagaaa	gatgagaagc	14580
ctccaacccc	attactaggc	actgaggaaa	ctctggacct	ttcttggtgt	gtcttcttat	14640
ctgtgccccct	tccttccaag	gtgagagacc	gacatgaatc	tcagtgtccc	aacccccact	14700
gctcttcttc	catctcggt	cgggtgtgctt	tgtgagcaca	aggcccgatg	tgcccattca	14760
tcctcgaccca	aggggcattt	gctatgctac	acagagcata	acagttgagc	attcaaacac	14820
agaagggctc	aagaggatgg	ccaggtctct	tgccactggt	tgtgagcca	caggaaaggga	14880
cagatagtgg	ttaattctgg	acatcttaact	ccacagagggt	gtccccagtc	ttgtgggaca	14940
tgccaataag	tgggagacaa	ggaggacaaa	caagccctca	ggtaggccag	atatcctggg	15000
accgcctttt	tacaggtggt	ggtggtgaga	ccctggtgaa	gattcagata	cccagagact	15060
aagtgcctgg	gagtgggagc	taatttcagg	aggccagaaa	cacaggcatc	agtggcagag	15120
catagttaga	gctcaagggtg	ggcacatggt	gatgcagggy	gcagcctgga	gctttcttaa	15180
cttaagagac	tccaatgccc	ccaataaaac	agccaagttg	acaggtatag	agcaaccctg	15240
tcagcctctc	cccatctgag	cccttgagtc	taattcttag	tttttctttt	cactgaggag	15300
ggaaccagag	gactcacacc	acaaagaacc	cgagggaaaag	ccctctgccc	cagtcagcca	15360
gatgaggctg	gtaggcagca	tgggcaaattg	ggaaggttga	ggtacaagct	gaaggtaactc	15420
acagtttccct	gcatgggggtg	actgaggggt	ttctcgaggg	cgcccatggt	gttgggcagt	15480
tcgggtgggt	gcgagagctg	ggggggaccg	tgcatgaagt	cgttcatgga	tgtccctccg	15540
ggattcccat	gggggaagtc	aaagttgcca	tgaccctggt	agttgtttcc	tgggatggga	15600
ataagatggg	gatgggaaga	ggtcaaccag	tgggaagggtg	gccaccctca	gctgatagta	15660
taaatgcccc	aaggctttcc	gtcccttggtg	acaggcaagg	ctcctgaagc	atttgctttg	15720
ggctacagga	tggggcagtc	atgcccttat	ctcatggact	ggggcactcc	aggtgtgtgc	15780
taaagtcaag	tcoccaaacc	cactccagat	gtgtgtgtgc	tctactgttg	cagaagggca	15840
gaaaggggtc	tagccaccag	gctctagatg	ataaccacgc	ctctccatct	cacacctgat	15900
ggtgatgatg	agacaggag	actcagagtg	ctgggatgoc	ggggcccttg	gcaaaggctg	15960
tgggattcca	gccagttaac	taatgactct	ggtccactaa	tcagtcacct	gggcaccttg	16020
gagacctaa	gccatggatc	tgagtgcaca	ggccaccacc	ctcagataga	aggtacaagt	16080
gcattttcta	ggaacagagt	ggaaagcagc	agggatgatg	cctgaagtct	gggatagogg	16140
agagtgcagc	caagggataa	cagactgggt	tagccaaaggc	tggggccgcca	gtgcctagggt	16200
gttctctgtt	agaggggtgg	agagcctaaa	gggtggaaac	gataatctgg	cagagcaggc	16260
tgtgcaaacc	ctgagcttcc	atcatcattc	tcocaaagtc	agtgaacgca	gggatgtttt	16320
tgggggtgtg	tgttcaactct	ttctctttta	tttttaagat	tgactttctc	tgtgtatgag	16380
gggaatccgt	tgtccacgtg	tatatatgtg	gttccacgtg	tgtgacctgt	tcagggggag	16440
gttagaagag	agcactggat	caccttgaac	tggagctatg	gttgggtgtg	agtcataatg	16500
gaggttctgg	gaattgaacc	taagcccttc	tgaagagcca	acaagtgtct	ttaatgagcg	16560
aaccatttct	cctgcctcac	tcagcctttc	gtttctctat	ctgtaccctg	tatcatcagc	16620
acagagatcc	caagtcocccg	atggaccocgg	gattgtaccc	ttcttctctc	ctccctctct	16680
ccctggccag	catacagtta	cacacccctg	ctgctgtagt	cgttggagct	gggtgcoccca	16740
ggaggagggtg	ggagggggta	gggagacggg	ccagggcocca	gagcggcgat	catctccatg	16800
acattgggca	tgtatcatctg	gctggggctc	atgggtcttga	accgcttttga	ggggatgcac	16860
tgggggtcat	ccttgatgtg	gaggtctgac	ttgatgggta	ctggcccgcca	gctgcacgtg	16920
gggtcaatgg	tgcctctctc	aaactcggag	ctgatggggg	agagcagagg	ggaggagctg	16980
aggttttagaa	tgtctagcca	atgtcttcac	tcctccctctg	tgcagaaact	gtgcctggga	17040

ccatcttgtt	tgatgaggtg	agaatattga	ggcttagaaa	gacaagtgg	tgagcctggg	17100
gctgctggcc	ccaagacacc	ttccccgcca	ccctagagga	gttccagcac	ggctgcgttc	17160
tgtctcatct	aagacatatt	ggcccccaag	tccgggtatt	cccaaggtea	agctccagat	17220
gggtggctgc	ccagcaaagt	actcaggact	gtctatgtct	ccctccagcc	aggctgcacc	17280
tccttagtgc	aggccacact	tactgttgga	tggcggtcag	gatccccccac	atgtactgat	17340
ccacttccag	accctcgagc	agagcagttt	tactggaaga	gaagaacaga	ggcttggtct	17400
ttgcgcctgg	aggcaggaca	cagcccgccc	acctccactg	tcctgccact	gtggatacaa	17460
tggaggcaca	gagtgcataa	tagcagtga	atccaaggcc	catgcctctg	tggggctggt	17520
tttgctgaa	gggtaggtaa	agcagctaag	aggcccaaga	agaggccaga	gggcacctct	17580
gctctgcaag	gtgggtattg	cttacttgca	cacgggacac	ctccaggccc	ctcgctcaca	17640
attcagttgg	aggtatgact	ccagggtcaaa	gcactgcaga	agtgcagagac	agagagatag	17700
gtaagatcag	gactgtcaga	aaatgccttg	ctgtggctct	ggactcttgg	gaagacttca	17760
gtgctgggga	agaactcttc	tcttactcca	tagaaccaca	gaacagccat	gctgtgtctg	17820
ccacggccct	cacagatctc	ttccctgtcc	tcgagtaagc	ccttctggac	ccaacacccc	17880
agccaagtct	cactgctttt	gcctcttact	gaggccggga	ccagtgtgga	ctctggcagt	17940
ccccttaatc	catcccaggg	accaggggta	actctgttga	tcagcctgta	tcagacaaag	18000
caatcacatc	atgtccgtac	ctacaaactc	agagggaggc	agtccctgtct	gccacttagc	18060
tttcaggatg	aactaactgt	gcttcacagt	gtggcgatga	tgggtgtaatt	ggctctgcca	18120
tccttgccac	cctgtcgtgg	gacctgtct	tggcccaacc	ctacacaacc	ggtctttgct	18180
agtctaggtt	gcctctttct	tgaacctgtg	gtgtctagcc	aggactttct	gctggcctac	18240
gatacctgat	tgtctatttc	tgcattacta	ccctcccca	gggcctcaga	gatggacctg	18300
aaggagaaaa	caagactgag	agagcacgag	atactggctg	ccgatggccg	caatgtctct	18360
caggcagcaa	caggctctgt	tggcccttgg	cctgccccct	gtcacccctg	taactctgta	18420
cagcctgggc	ctgctcacct	gcacatgctt	gcaatcgtgg	cctcgagcag	gcagctgtat	18480
gcgcgcgaat	gtgatggggc	acttcagaga	cacottgatg	gcggctctgt	ccacgccatc	18540
ctcccccattg	agagtttgtg	tgcocgagga	ggcagccaca	ctgctgaaat	tcgccttgac	18600
tgtgagttag	gaggcagagg	gtgagggctg	ggtgctccac	tgaggaaatt	ggatctcagc	18660
agctcctaaa	cacggccttg	attcccccacc	cctgcacccc	acatgccaca	catgccatgt	18720
gcagggtgaga	gagaaaaggac	taaggaggat	cccttttctg	aagaacaaac	cctacccctg	18780
ggagcaagaa	ctttctgcca	agcttgccaga	aacttagtct	ggtgctgctc	ctgatttaac	18840
tgggtcagca	aaaagccccc	ttaggcgctt	ttgcacctaa	ctgcaagagt	aggaatagaa	18900
accagactgt	gtggagggtg	tcaggggctg	gggggggggg	gggggagggg	aaatgtccta	18960
acccacagcaa	agattcaaaa	aggagtggcc	ttgtcatcac	tagtagcaag	aatagccacc	19020
aatctcagaa	gtcccaggtc	cgctgctggg	cctcacaccc	acaagctagg	tgtctggaat	19080
tcattgcgtat	aatctgttag	ccttctctct	ggtactgggt	acatcccaga	gtcagctaat	19140
gagttctctc	tgaactgtcc	ctgcttctcc	tcacacagta	cctgggggt	cctagtgcoc	19200
cagcaggcat	gggcacccct	ccacatactc	ggcctcctgc	tgaactccac	catccagcgg	19260
ccgtctgtgc	agcagctgca	gagcagctgg	cctccctgaa	ttgtgattct	agtcacatatt	19320
ccttgaccct	gtttggggcc	cctttctctc	tcactgtctt	tgggtttctg	tagtgcccat	19380
gcttgctcct	ggtcacacat	tgaagcagtg	gactctaggt	cccgagcgtg	tcacagcctc	19440
agcagatggc	cactccccc	cccgctggacc	cctaaaaact	tgcagagggtg	ctgggggtggg	19500
aaggtaaggg	atgtgtgaag	ctgtctgatg	ctgtctgagg	tcagctggac	ttcttaagcc	19560
ctcacccctgt	tgaactctcc	ttggctgtag	ctgtctgtag	tgcctccggg	ggagaagggtg	19620
ttgttctgtc	cattaaaactg	ttctggctgt	tgaatgaaa	tgagacagag	gagtaagcag	19680
agcagccccc	cggcctgact	ccgtctggaga	caagagggtt	ctgggggaaga	aggcaccacag	19740
acgggggtct	ctaggactag	tgtggaaaagt	ggaggggccc	gagctttgtc	cctgtttaaca	19800
atttagtaga	catttccccc	agcagcagtg	gggattgtgt	aaatgaacac	ccttgagcaa	19860
agatggcaaa	cacgctgaag	ggtaaaactca	agaagggttt	tcctctctga	gaatgcattt	19920
tgcagcaatg	gaaaagggtta	aaggctcaga	gatcttccatc	aaagcagcat	tgtaaaaatcg	19980
aaaaatgagg	agtgaatatg	ggaaggatga	gctagggtga	gatcatcacc	tcctatgggt	20040
gctgggcagc	cattgagaca	gggacagaga	cattctataa	gcaacaagca	tacaacatgt	20100
gcagggggaa	caggctcaag	attacagtgg	tggctcagctt	tgtctttcag	aattgtgcct	20160

cctctgccat	cattgtctca	tgtactgtga	atgaaggaga	ggaaggctat	tctgagccca	20220
gacacagttg	agcactgaca	gaaagtcagg	actgcacccc	ccactcctaa	agctgttaca	20280
ggtgtgttag	ttatgtgggt	accctgaaga	tggaaactcac	cttghtaatac	tgccccatgt	20340
tgactgtggg	gggtgggtac	tgtccgggtgc	tgggttggct	cggcatcctt	tgteccaggg	20400
agttgggaga	tgtgagtggc	cttgggggggt	taggggtagg	gtactggcct	ggctgggtgg	20460
ggaactggct	gtttgggtcca	tattgctggg	ttccatagtt	gggctgtagg	aatggagaaa	20520
gggcaggggt	tgtcatgggtg	atgtgatgta	ctcagattcc	aggtctgggg	cccagctttt	20580
tttttttttt	tttttaaaga	ctgattttat	ggcccatata	tattatctgt	atgtgcactg	20640
tgtgcatgcc	tagtgccctgt	gaaggtcaga	ggaatgtacc	agaatcctgg	aatcaagagt	20700
tatggatgat	tatgagccat	catatggatc	ctgggaactg	atcctggctc	ctctgcaaga	20760
gcaataacca	ccgagccacc	tctccagctc	cccaacttot	cttcttagct	ctatggctctc	20820
atgcacacaa	gacgcctctc	ctacctgtca	tagggagaga	atgagccaga	gaatattaaa	20880
agcctccact	tgctttgaca	tccagggaca	ctacatgctg	caggctccagg	ccatatgccca	20940
tcactccata	aaactgtttt	tttggaaacc	cacggatgct	cagagctttc	cagctgtgtc	21000
tttgaggggt	tcaatcttaa	agtaactcct	tgttttctcc	actgtttgct	tgtgcacccc	21060
gatatgtcag	ggagatgcag	gtcacagaat	ttgttaccaa	gagctgacaa	gccatgcagt	21120
gaggctgata	tggatagcac	tgtccctaca	tcctatacag	agcaaaccatc	tatctagtgc	21180
tccattctta	gcagcgtcaa	ctatacagct	gtggggagaa	tagccaatga	ggagtgggga	21240
gcacgagagc	ccctcctaga	gaagtcactg	aggaaggaga	cagtgccacc	tccttccatc	21300
ttccctagct	ggaacagtgg	atgatctagg	gcttcctgtc	acctaggtac	ccagaacatg	21360
gtgtcccaga	gtcaatgggt	ctttgatgtc	tattcaagaa	tattccctgt	cagagagtct	21420
catcctctag	gcttaaactc	agttggtgag	agtgcgccaa	gtgcctgaga	gtgctcatca	21480
gagtggactg	tgctcaggaa	ctttcaatga	ctgtaagggt	gggggacatc	tgctactctg	21540
ggccacagcg	agttctcacg	gtgggtgtgaa	gtggctggta	cctgcatggt	caccaggcta	21600
caggagtgtg	gtaggggacc	agacaacatg	attgaagcct	gaattaaggga	tgtacctttt	21660
ttgttggttt	gttttggtga	cacaagattt	ctctgtgtag	ctctgggttat	ctcagaaact	21720
gtctggtaga	ccaggctagc	ctagaactca	tagatctgtt	tgctctctgc	tcceaagtac	21780
tgagattaaa	ggcatatacc	accaatgcct	ggctagggtg	taccactttc	aacataggat	21840
gaacatactg	ccatgaggta	gaagccagag	ctcccagcat	cttataacct	ggaccagctg	21900
ggaagcagca	atgctctggg	gagaactcct	ttagtaaaaag	cagagggtct	ggcttcaatg	21960
tagggctttc	aatatgcaat	tcttctgcgg	cctcatctca	ggtgagcagc	ctgaagctca	22020
gacatgcatg	cccagtgcag	ccaactatct	ctcaggagggt	tgagggtaga	gggtgttttag	22080
tgactgtgtt	ctgggagtga	agccatcagc	ttaaggcccc	aaaccaaggga	caggcagggc	22140
tgggaggagc	ctaaaggcct	ttgagttttc	ctccctagtg	cccactaggt	cgaggctcag	22200
gtcttgagtt	ggcctcctgg	gtgtacagga	agcctaatac	ctatagccta	ttcctgagtc	22260
tcaggcttag	ggcacctata	ccaattatga	catcatccaa	cctctgtgtg	agtgggggtc	22320
gaagggaact	gtggggacag	agagcttatg	ctttcgtggg	atagaaactc	gcttcagctc	22380
aagttgaagg	ccacagtcct	gaccagccag	aaggacatga	tctgagaaga	tgaagagctg	22440
aggtgccatg	cccaggaaag	ggcatctatg	tgtgccaaaag	acaaaacttca	ctggagcgag	22500
ggggggcgat	cagctgggca	cggatcttgg	tctcagttgt	attctgagtg	tcactgagac	22560
ctgggtgactt	ccctttttcc	ctgaacttcc	acgggtgcttg	ggacogtctg	ctgggatggg	22620
ttctcttggt	acctctgcta	ggagacccca	gagaaggcac	catcccccag	agagcaatat	22680
gatggaagta	agccctaggg	atactgtgtg	ccatccgatg	gcctccctga	cacacacagc	22740
ctgtactagt	gtactagtgg	cagccctcac	tctctagggtg	gtcctctgca	ctgaggctct	22800
catccagggg	catccattag	tatctgagta	tggacagggg	taagtgggtc	ccatgggtttc	22860
tgtctctaca	cttgccctgct	ctaggcaggg	tatttttaca	tgtcacggcc	ccctgtctct	22920
tgggcattct	aaggggccagt	gtggattgtg	aataaccattg	atttaaagtc	atacacactc	22980
aggtgtagtg	acttggttgg	tgtctctcac	aacagagatg	atattagtc	gggggttaagc	23040
ctccaaaagg	cttttagttca	agttctctaa	gtggcctaac	tgtgcctttt	ccaaaggctcc	23100
tgggtccatg	gtccctctgt	caatgttctc	tctccctcca	tcccccatca	tagtcacact	23160
tacctctccc	gggtatggcc	tctttatgtc	ctgaatagga	agggactggg	gggggggggc	23220
tgggtaggtc	tgctggggca	tccttttgccc	gtgtgtgcca	aaggggctga	tgcgggtgtg	23280

tcggggctgg	ttcatgcccc	tgggagggcc	gtcatgccc	gaggggtgtca	tgccagctgc	23340
catgccggca	gggttcaggc	tgccccccat	ggaggcaggc	ccccgaggcc	cgggtttggtt	23400
catgaattgg	ctgttatacg	cctgggttggg	accatcttgg	aaagaggaac	acaccttcaa	23460
cgggagaaga	agaaaaaaaa	agaataaaaa	tgccacatgc	attgaaagtg	cagggaaagga	23520
aggtaggggg	ctaaagggag	agcagcactt	tcccacaggg	ctgcagttaa	gagccaggag	23580
ctcttaaagg	accagtcct	ccagggtcca	ctactgcctt	ctgcaggtct	catgggaaaa	23640
tgcagctggt	gggtttgggt	agggcaggga	gcagtcactc	caaggcacag	gcagcattcc	23700
cagggaggca	ggcaggggac	atggaagtgg	gtagggatgg	gagggacaca	gggaggacac	23760
aggaagagga	ggcggatgag	gatggaggct	gaagcccttt	cctgaaagcc	ctggccttgc	23820
ccttggtcag	tagccaatgg	agacacaccc	tccatacact	aagtgtgatt	taccagccc	23880
acttcctcct	gtccaccctg	cacccttcca	cccacacaca	acactctttt	aaggggcttc	23940
caaggatacc	cgtggcatta	acgctcaaga	tttcccacag	ctgggtgagg	ccaggccagc	24000
gggcaggaac	ccttaccggg	ccatactggt	ttatatcctt	gttctgtgtc	tcttgcaagg	24060
ctgccactgt	agctgtggct	gtggctgtgg	ctgtggcagc	ggcggctgct	actgcagctg	24120
ctgcagcagc	ggccgctggc	tgggtgaagt	cagcaggagg	ccgagtatgt	ggagggatgc	24180
ccatgcctgc	tggggcacta	ggacccccag	ggtaactgtg	gaggagaagc	agggagcagt	24240
cagagagaac	tcattagctg	actctgggat	gtacccagta	ccaggaggaa	ggctacagga	24300
ttatacgcat	gaattccaga	cacctagctt	gtgggtgtga	ggcccagtag	cggacctggg	24360
acttctgagg	ttgggtggcta	ttcttgctac	tagtgatgac	aaggccactc	ctttttgaat	24420
ctttgctggg	gctaggacat	ttccatagct	tctctgcttt	tccttggtca	ccacagacta	24480
ccttctaagc	aaacattgac	ctgagaattg	tatggtgctg	tgtgctgtag	atgtggattg	24540
aggtgtgtga	gactcctgtg	ttgaactgcg	aggctagaaa	cccagcaact	ttgcccagag	24600
agctagggtg	agtgtgctca	aggtggcttg	ggctgcttct	gtcccttctt	cactgtgata	24660
tgaggttggg	gactctagcc	tccatttctt	cttcattcag	gtcagtgagc	tttctaagga	24720
gttttggaac	gatggagctc	actgccactg	ctctccaatc	ctgcctgctc	accccactgt	24780
cttagcataa	aggtacaagg	ctgagaagga	actgagggaag	tatccctctt	acccctggga	24840
ggttgatgcc	aatctgctaa	gacacatggc	agaactgtcc	tcatatccta	gaccaggcca	24900
tgtggaactg	gcattcaagt	aagagtcctt	cctggatgta	ggtagggaagg	cagggctaac	24960
acaatgctgt	agaagggcac	catctagggt	ggtaactcac	ctggcccca	agccccgct	25020
accagggtag	ccaggctggc	cgtacatggt	gggctggata	tagggctgtg	cagggccagc	25080
tttgggtggg	aactgttgct	gttgccctgc	gaactgtggg	gagttgatgc	cggggttgct	25140
ggtgctcatg	cctgatgcca	tggggttggc	aactggatcc	atagggttgt	tggcattggc	25200
cataggggtc	ccagggaact	gcaaacagag	agaaagagag	agagagagag	ggggagagag	25260
agagagagag	agagagaactg	tcattaagggt	cggtaactga	ggcagcgtgg	agaaagagaa	25320
gacaaagact	gaaacatggc	agggaaagaca	cagcagagga	gcattggagt	ggtttgaaga	25380
gtccccagaa	cacgtaaggg	atcaaaggga	gtgggtgtgag	aatgtcagcc	aggaaggagt	25440
gaggccaagg	ctcacaaaagc	cagcccaagt	ggtcccatg	gctgcagaga	tagatctjag	25500
gcaagcgaag	tcttttgga	acattagcct	actcgggtcc	aactctacaa	tagggcttgg	25560
tggacgcctt	gggctgctgc	tctaaaaaag	acacctctgt	gtctttggcc	cagatgttgt	25620
ctgtggatga	agaccaggg	aagcatgaca	gtcccccctt	aggatggcct	ggcctaggct	25680
cggcagaggg	gggcccctctg	ttagggaagg	ggttagggaga	gagaaaagaa	gaggaaacaa	25740
gaatagcatg	tctgggaaga	cagctgggct	tgtcaggcta	aggcacctt	tactgagagg	25800
tjacatctta	ggaaaaacct	atccagacca	ttcagggcca	aaggtttcca	gcttagaacc	25860
ctgaggtcag	taacgcccag	taacgtctct	gtttgcacaa	ctggaggggaa	caaggtctca	25920
gaacagtact	catggccttg	tcacataaac	accttctctc	ttctatccca	gaaggcccta	25980
caatggggja	tgatcttcag	ggacccagct	gtgtccctac	tgagacagct	gtgtacctct	26040
tcggagtgga	tgtgtcttgc	agctggatat	gtcttgagac	tgtcttcagt	gaggagagtg	26100
tcacggcaag	gttctcttgg	gaacccccct	ccccactctt	gggagggaata	agagacactt	26160
gtgcctaggja	gggaaccatgg	tagaggatgg	gacaagttct	tacctgaact	tgggactgtgt	26220
tgggtcactcc	ccacacccgtg	gtgaccaagg	agaggggagcc	gggaggctga	tgggtgtctt	26280
gctgccaagg	gacagagtca	taaggaaatg	acctatcaat	gcaaagagag	aagaggtcct	26340
tagagctggg	gcaaggcccta	ggtggcagtg	tcttcacttc	actatcccag	cggacctttg	26400

ccccagtgag	ctctggggct	ccaggctcat	gacagcactt	gtataatggg	aatggggccag	26460
gcagatgtga	ccctctccca	acaatgcagg	ggctaccctt	gtgttagctg	tgtaagctgg	26520
gtgggtctac	agtccagcag	ctatgcagtg	aagaagccag	ctagtgcgat	cgaaagctca	26580
ctctaagtc	cttcttcaag	tataccgatt	tcccatgacc	ccctatagaa	acagtcagga	26640
cctcggcatt	gtcttcaactg	gggacagcct	ggttccaact	ttaatgaggc	tggaagggcc	26700
ttgggtggaat	cttgctttctg	tccttggtct	cagcacctca	tgacaaacta	gctgctgaac	26760
tgagtccac	tgacctggac	ttcggaattc	aggcttgggt	cacccttctt	ctggggccag	26820
gaccaggcct	gcccagggtg	cccggccac	ctcccagtc	tgtgcacatc	cctgcctggc	26880
tgaaaccttc	ccttccctac	aagtcagcat	catcaggctc	cagggtttac	tggttaaagt	26940
ccagatgcac	tccagacaga	acgatctatc	ccactggctc	gtccctgagc	cttcaccaag	27000
cctcctcact	ccagccctgc	agtgggctgc	tgatacaggg	agctcttccc	aaggagccct	27060
cagggatcta	tctacctctt	ctactcagta	agtctcaggc	ttacagagaa	cactcagaaa	27120
ggccttctag	ccagccaggg	tgatgtggga	ggagcacaag	gggtccagag	tgatggacag	27180
cattgagact	tgccagggtc	cctaggccca	ctctagatca	cccttacttc	ctcagtgaga	27240
gccgtaaaac	actgtacctg	tgcccagag	cagcagaaaa	tctcgtgtgg	caccctcttc	27300
cctgggtctg	cctccactgg	tctgtgctga	cttgcttctt	gtttctctgg	aaagtgcctt	27360
ctttggaaag	ccttcccacc	tctcggaata	taaaggagca	accacccctg	ttctttacgt	27420
atthttcatg	acacttatca	cacatttgat	tattatcttc	ctagcctcta	ctccagaacc	27480
tgagtgaga	ggaatccagc	agttttatgg	gacagagtgg	attaaaggcc	aggggacaaa	27540
caagctagcc	aggagccagg	ccctgaactg	gcccgcagag	tgagagaagc	ctcctgaaca	27600
agccctgtat	tttctaagct	ggggtgactg	aacactgtgg	cctgcgctct	cattgttcat	27660
ggtggtcaga	gagtaacctc	ctatcttaag	ctgttctggc	ccctgctgcc	tggtcaggta	27720
tccgccgaac	tggaatttag	tcctgaacct	atccctcact	agctgacctt	gcaagtcttc	27780
cttggggcac	tctcattttt	gagcacatgc	cctcatgcct	tgtccaaata	caggagtggg	27840
tcctggtgct	cagtagcatg	agggagcaga	acacagtga	aaacgggggc	gtagcttggg	27900
tgaggagagt	cctgcctagc	atgacgaag	cctatgcctt	gctctccatc	actgcacaga	27960
cagccccgga	gagaaatatt	tacagttaac	ctattatctc	agaggagaa	acgggagaa	28020
cggaggttca	aggttatctt	tggtacatg	gaaagtctgg	gtctagcctg	ggctgtatga	28080
agccccgtct	caaaaacaaa	acaaaacaat	aaccctaaac	tctaaaccca	aactaaacaa	28140
cacaaaacac	aggcgggaga	tggtcagta	gttaagagca	ctgactgctc	ttccaaaggt	28200
cttgagttca	aatcccagta	accacatggt	ggctcacaac	catctgtaat	gagatctgat	28260
gcccctctct	ggggagtctg	aagacagcta	cagtgtatct	acatataata	aataaatctt	28320
aaaaaaaaaa	acaaccacag	tgagatgaa	taaatactgt	tctctcaaca	cacgggccc	28380
tgtggactaa	gaatcagta	caagaggctc	agtcagaagc	acaatgtgag	cacaggcctt	28440
ggggtctgag	cagcacatct	tccaagagga	taagagtga	gcaggctcag	tattcttggg	28500
gtccaaggag	ggggatatca	gggttagact	ggagagagaa	acggcatggc	tcaggagcag	28560
ggcccaggag	cacagggtgg	tgactgagga	ctaaatgcag	cttggtgaaa	tgaggcctgt	28620
ggccaggcaa	gaagggaagg	gctgagccac	agatggcata	aagtacctgg	ctgggacacc	28680
ctgcagagcg	tgttttcaca	gaaaagggag	acctctggcc	atccattatc	cttctggatt	28740
ccagctctct	gtatgctgga	cagaggttct	cgagtgaagg	atctcagagt	accgaataaa	28800
gcaaaaaagt	ctgtcttttc	cccaccacac	cccacccttc	agaactgctt	tacaaaactc	28860
ctaccacott	ccaggctcgt	gaagatttga	ttcagggttt	aacaagcagc	tggaacaggt	28920
caggggggag	ggggggcccc	tgtctctcat	catcttgggt	cccaggctac	tgtatctaa	28980
gcccctacta	ccctcagcac	catgggtggg	ccttgtggga	ggaaaaccac	ttttctgttc	29040
ctgcttacca	ctgacagagt	acaaagctag	ccaacatttc	ccaagtgggc	tctccactgc	29100
ctggccagta	ggttccctgt	ctcagaacaa	aggtggccat	ctacttagtg	tgacacaggg	29160
ccgggggctg	ctggacgcat	gctggagaag	caagtgcag	gcacaagggg	gggggaccca	29220
ggcctcagca	cagaagtggc	atccaccagc	acactgtgac	tcctcgcctt	ctaaagggtc	29280
tgactcgaca	ggcaaccaca	gcatcaggcc	tgtgatgtgt	cacctctgcc	tggaactcca	29340
ccctgtctct	tgcaaaccca	ggacaaacca	agctcctgtg	ccagcaggga	aaagggaact	29400
gagtgggagg	ggactgagtg	gcaaaagggt	tcaggagaga	gggtctgtgg	agatgcctgc	29460
caggcctttg	ggagaggcgt	aagcactggc	cagtctcagt	gatcagcact	gttagtgacc	29520

tgaggctcct	cctctgagct	tttcttatta	attaattaac	taattaatta	aatgggtgtga	29580
tggtgcttaa	gtttaatccc	agcactcagg	aggcagaggc	aggtgaattt	ccagaggcca	29640
ggttggttta	cataatgagt	tccaggtcag	ccagagctac	acagtaagac	cctgtcttgg	29700
aaaagggaa	tgtgtgtgcg	tgtgtgtaga	aacactaggc	cacagcacac	atgcgtaggt	29760
cagaggacaa	cctgtgggag	ttggttctct	ccctccatga	tggtgggtcc	aggagatcaa	29820
acaaagtagt	tgtcaggtgc	ctttgtccac	tgggctacct	cagtggccgt	ttttgctctc	29880
ttgttaaaaa	taattttctg	gggtgggggc	aagaagagcc	tactaccaac	agagcctggg	29940
acagctgtgc	aaaaaataac	aactcataca	acttgtgttt	ttctttttgt	tttgagacac	30000
agcctcacta	tgtagcccag	gttgggtctt	gattttttgac	cctcctgcac	acacctctcc	30060
tgagtgggat	acagcctgta	tctttgggtac	cctttgggtt	cgctttctgt	agtgtttggc	30120
atcgaaccca	gggccttggtg	tttgcaaaac	aatactctac	cactgcccc	ccccagccc	30180
ctgcttgctc	tgaaggggct	gggaagggag	gaagagccgg	tcaagaggaa	atcaggctag	30240
tggtgggagg	ccatacaagt	ccctggggat	ccccgtgcac	caggcttggg	tctactcttc	30300
ttcccacaga	tgaggaaact	gtgggtcaga	aactgggtgc	cagtctcag	gccccatgcc	30360
atgccatgcc	tccacctagc	attccggggc	ctcgctttag	attgtagcaa	atccctgggc	30420
ctggaggagg	caggagctca	cccttgatct	cagaggctcc	agcggctttg	attgtaatca	30480
aattaataga	taaacaagat	ttattagact	cttaattagc	tttgcgacac	cgatttgcac	30540
agagacaatg	tgctaataac	aaatggcttt	ttaaaccact	cattaaaaac	ctgggatgag	30600
gaaacagacg	ttgttgggat	aaagtccaga	tcacctcagg	gacactgaag	gtgtccttct	30660
gcccaggcaa	tggctagatc	ctccaggtaa	cacacagctt	ctgtccttga	gttacggtgg	30720
gggtgggggg	atataggatg	tttctgtggc	ttctgctaag	tggaagatga	ccttgggtatg	30780
gtcaacgggtg	aagctaagac	agaagctgag	gactttttaca	agctacagtt	agctcatact	30840
cgtcacaggg	tcacagctac	tcttatcaag	tgctttggga	gcagccttga	tcttctctgc	30900
atttctctca	tgggtgggtgg	cagcaccatg	tcttttttga	acctcaggag	ctcagagagg	30960
tcaagggctc	tgggttagagg	cacagcacag	cctaagggtga	aagaaccttg	gccccaaact	31020
gtggcctcac	ccaactgtgg	caccaccaca	tctacatggc	ttgcagaggg	tatgatagtg	31080
ctctgaacca	cagaaagacc	atgggtcccca	ggggccctca	gacctctggg	ttcaggtagg	31140
gtttccagct	ccagttgagg	accagagctc	tctaaatgcc	tggtcctctc	agggacccaa	31200
ctccagactt	ccagtggtac	agaatacacc	ccatccttag	taaaaagaca	acagccccct	31260
ttgaagatat	cagagttagt	ttctcagttg	caaatacttg	ctttttgctt	ccactatcta	31320
tgttttaggaa	tttacattag	gggtttaaca	ggtgctgggg	acctccagag	ttccccgtga	31380
aatgagagat	ttctcccaca	gggacatgca	cgaaggttac	aaggagccgc	caatcaagtc	31440
aattcctggg	cactgggttac	tgagtatcct	ctccaccatc	ctgggttttg	agaagggtca	31500
acaattgtct	catcataatg	tggcaggatt	atgataatta	cctagggtta	gccatggatc	31560
agagcagggc	atagactggt	tcagaacctc	cacaatcagc	aaacagctat	acctccacaa	31620
cccttgccaca	cactcttctg	tgtcctaact	caacctata	agctgtgtgt	tcttggaaca	31680
cttactgtcc	cactctgggc	caggttagtt	tctctttaag	ttctgtgacc	tcgtatgtct	31740
cacaagaggg	accattgtct	aattcaactg	atcagcctca	acctcaatca	atacctcagg	31800
agtgcaccgc	tctccagcct	gtctcggaaa	ggccatcaga	gaccacagaa	gacatgggtc	31860
ctaggtctgt	aagcttgtgt	aacacctgct	ctgcattgtc	tggtatcctg	ctggatcttc	31920
aaggccctga	acctgcccag	gtagcagaag	tagcaggacc	ttggggggct	tttacacaca	31980
gtattttgaa	gcaaaaactag	attgaggtta	taggatgcag	gtgggtctct	ttcagccttg	32040
gatctctcat	ggtcaagaca	ctttcagagc	cctccacaat	catctctgtc	tgctcctaga	32100
cacaggaccc	gggtctccct	ctttacctg	cctttatcca	ccagctcctc	attttgcccc	32160
aggagccttc	ctcctctgtt	ggcagagtca	gcttttaagt	aaagagactg	ctttctcttg	32220
tttaattgaca	gataatccgt	atcagctcaa	cctgatgaag	acctagcaaa	ggaactggctg	32280
tggtaaaaa	ctgcacagct	ccagggttag	aatagccaca	gcccagcaag	tctgagacaa	32340
gtctctagtg	ggaaagtaca	ctattctggg	ctatcaccat	taccaacagt	gaaatgactc	32400
aggcaagaaa	gttgggaggg	gcaatgttaa	tggggtgatg	agagtccgtc	ctgatgggtc	32460
tgaagctctg	aggggtctgg	cagaattagc	aagacacagc	tgaatatgat	ggcagggaata	32520
tgatggcagg	ctgcacgcca	cacacggcca	cacatgagta	catgctctca	cacatgtaca	32580
cacatactca	cacacctgta	atcctagcac	tagaaggctg	aggcaggagg	atcagaagtt	32640

ggagatcagc	ctgtgccact	gagagagact	cggtctgcct	ccaaacacca	aggaaatggt	32700
caaccacat	cagaccaatt	gccaaagtcc	tattcactga	cagcttgggc	agggataagg	32760
aacagaaggc	agaagggaagc	aggtttacct	ctctagagca	atgaatgggt	ttcaagtaag	32820
gcggcacccc	cactttccca	aatgtgccgg	gtgttcttac	tgctgcagtg	cttagggagt	32880
ggggaggcag	tcttcagaaa	ggtaaggtag	gcagggccca	tgatgctcac	tgcatcagc	32940
taccaggtc	aagtgccacc	ccctcaggaa	acgctggcac	aggagataga	ggctgggtta	33000
gcagagccta	gtgaggcagt	gtcagcgtgc	tgtataaggc	cttgctatgc	tctgaaatgc	33060
ttttgaccat	gccaggtaaa	cgtagttggg	ccaccctggc	caggcagagc	acttggcttt	33120
gatgtgtgct	tgaggtectc	tctggtttcg	atthagagga	caaggttgac	accaagttct	33180
ggcagtgccc	gycggtccag	aactgactac	aggatgttct	gggcttcagg	tctctcgccc	33240
aggcagaata	atgagagctg	agccgactgc	agaggcccca	gtcattagcg	aggaccacac	33300
aggggagtg	agacagcatg	acgggccctg	ttgttgcaag	gtcagcccac	agaataactca	33360
gagcatcagc	tcagcaaggc	gcctgcgaga	taattaacag	ggaattgcca	gtctcaccac	33420
gtgcttttct	gaggctgggtg	caggggagcc	tggccagttc	ctaggtgctt	gccagtcttg	33480
caagcctggt	cctgcctagg	atctagggtt	ttggcagacc	cagctcagtt	tcaattgttc	33540
cagtataatg	ggtgtggcct	ggttctgctc	tacagtgagg	tgaggccata	gcctggaggt	33600
gtcctgagac	ccaactggct	ttcagtttcc	ctgagagtgc	ttaaattctc	gctttgggtta	33660
gagggaaaggc	tccaaactca	tgattcttaa	tgttctatag	aggcatctga	aggacaagggt	33720
ggggaaaaaac	gtcttctcat	ccctgactga	cgggaagacg	caagccattt	aggaggattt	33780
aaaggccaac	tgcttctcag	aggccccgcc	ctaggtatta	caccacagga	ggtcccacc	33840
cccagacccc	aggccagaag	gcacctggat	gtcacctgt	gcgacagagt	gggtttcatg	33900
gagctcatgg	agctgagggg	gggctgcag	ggcagtttcc	caggggggtc	gttctggcgg	33960
ctcttctgat	gtcgcagcag	cagcaggcgg	ccaagttctt	cacaccagga	ggacagcagg	34020
gctgcaagca	aagacagatg	gtcagtggac	acactcgagc	cccctctgca	tcttcccag	34080
acgtggcggt	tatgaggccg	gttttgctcc	tgggaaattt	ctaaggcttc	ctggtaggcc	34140
tcagtgtttt	aaactataaa	atggaccaaa	ggcaaatca	gaatcatttg	tgacacgagt	34200
ccactacaag	ggccagctgg	aatggccacc	aggttgagag	gccccaaaga	acagtcocga	34260
caatgaagag	aagacggagc	caagggtag	atgaggggaa	aaggccaaca	gaggccttgg	34320
atcagggtat	gagcaggcac	ttctagggaa	ccccattacc	acatactcag	gacatttagt	34380
gtcctcatgg	gtgtgttaga	aactgtaaag	tgtagacata	acttagagct	ttcttggagt	34440
tgctgaagac	ccagaagcat	tgcctagact	ctgaaacccc	ccagccagaa	ctctcctggt	34500
gagtacacat	caaccttaga	cagaccgacc	gacagacaga	cagacagaca	tgcacgcact	34560
cactctcatt	ggactcaaat	gcttggaagg	attgaagggt	tccatagcag	aggttggtag	34620
tgtgtgagtg	tgagggtgtg	gtgtgtgtgt	gtttgcacta	gagacagcca	agpcagcatg	34680
tgcaagagtc	tctgccacca	gcccaagaat	acagtgaaca	atgcaggggg	aaagaattgt	34740
cctctcttca	tcccagtgct	accactaggg	actaaaagtt	tctttaagggt	ctcttcaggga	34800
tacagccaag	tttaggaaaag	ggacaagggt	aaggctgggc	ttgtcaccac	atccctgtga	34860
agtctcagag	tacttggaga	taaatcgggg	tgtggctcca	ggcgagatg	atggccttgt	34920
aggacaatga	gaggagaggc	cctaggttct	gtgaaggctc	tatgcccag	tgtaggggaa	34980
tgccaggaca	gggaagcagg	agtgggggtg	aggggtggga	tggggggtta	aatgtctatt	35040
aaaaaatatt	ttttttccac	aaaaaaaaaa	aaaagaaaga	aagagagaaa	aaaaaagagg	35100
ggtatggatt	tttgtcactc	agtgtcaca	gccagagtga	ctttccagag	gtcaggtcag	35160
cgtccctgct	ctggaaaatc	tgccttcagc	agataagccg	cagttgaact	tctctctctg	35220
actcctccca	cttaataaag	gaagctgaag	tcagcactgc	taacactggg	ggacatgcac	35280
gatgcaatct	gaccaggagt	gctgggtgct	tcaagctgct	agggcctgca	cgggtctctc	35340
ctcagcccac	agctccgaag	gtatcactgc	gggctgtgct	accaggtgct	tgcctatctt	35400
gccagtgctc	aaaagctcct	gaccaaggat	ggaagtggga	ctgcagccct	caggagagca	35460
cccgtgtctc	ccctagaggc	tgggtgatat	gctgatgcag	cttgctcctc	tctgtgggtg	35520
ttctcagtg	caccaacaca	gggaggaccc	tgcccctggc	acgcatctgc	tgggaagccg	35580
gtgaggctcc	tagtgggtgc	ccagtgttca	agcgtgcccag	gagggaaaag	cgcctatcca	35640
gaaaggctgg	atcaggaaca	ggtatgtttt	cagattgctc	cattctttct	ctgggcctcg	35700
gttcggcttc	ttgcacagag	gagcaggcac	ctagaagctc	atctgcacgc	caagcacgag	35760

gcccacaggg	ttgcagctct	aggaggcttg	ctgccagcac	aaaggatgga	tgccgaccgg	35820
ctgcttgtga	cacgcctcac	tatcttagcc	ctgccctctg	ggtaccagcc	aggctgctgt	35880
gggatttagg	gttttccttg	gttaccggag	gctgccctac	aggtaaaggg	caaggttgtt	35940
cactatccca	agtggactgg	tttctggaaa	gataatgaag	gcataggact	ggcaatggaa	36000
atgggaagga	ggtgtttgtt	aactatgtct	tctcatgcct	ggaaggccac	aatccagtga	36060
ccaggaggga	aagaggggtg	acacagagaa	ccctcctccc	cctaccttgg	ctaaaagcct	36120
ggggagcaca	gagcttgaga	gcagccccct	cacaatgggc	aggagcaatg	tgcatgccta	36180
cgaaggcttg	aacggacagg	ggctatgtgg	agacaaacac	cacatggaaa	tttgcagcca	36240
aaaagggagt	atgggtctgt	ttacagacag	gccaggcagg	agcccatggg	gctgcagtgc	36300
tccagcctgg	tgggaccaag	cacactttga	tctgggaagg	cctagctgct	tcctgaagggt	36360
cagttttgcc	tgcttgtcct	gtgtaccagt	ggcaggtaag	gctgccccag	gatgggcaac	36420
agagactggt	ctggtcctaa	tttacaccct	tctctgtggt	agatagggtct	gaagtgcctct	36480
atcaactgtc	tagacagcca	gcactgtttg	cactcgtctt	atcctaagag	tctcactccc	36540
aagttgacta	cagccaggag	cagtgtccac	agaagcccgt	gatctaagac	ctggcactca	36600
gaggcatgac	cacaatggca	cccactgctt	cctcttctcc	cgatggaccc	atggcaggggt	36660
togactgtcc	cgagagcaga	acacatcaag	ccacaaactg	tcttttgtct	acagtgcctg	36720
gagaacagtc	cttagaggcc	ccttccttac	gccaccttgg	agcagcagge	cttacaccac	36780
ccatgtccaa	gcactgaaac	gggtagccct	gggagtctgg	cctctcagcc	tggagggagc	36840
cagtttctct	actagctcat	cagaacatct	caccaagtgt	cccagctaata	atcaccacga	36900
aacagtggga	cccacatttg	agcccaactg	tctactccaa	gtctcaaccc	agattttcaa	36960
ctgtttccaa	acttctcaac	atggtataca	aagatgcata	acccaatata	tctaaaatga	37020
tcatacaaat	agggctggca	agatggctca	agggttgacg	gcttgagtte	cacctttgag	37080
accacatgt	tggaaggaga	acagactcct	tcgtattgtc	tattgtcctc	ctcatgtcac	37140
acacacacac	acacacacac	acacacacac	atggatata	atacaaatag	atgttaataa	37200
tttaaaagga	gatccattga	ccatctgggg	acaggtgtca	ctgtgtagct	tggatgaccc	37260
agcactcact	atgttatgta	gatcatgctg	gccttgaact	tcaagttctg	cctgcctcta	37320
tttattgttg	agattaaagg	catatgccat	caagtgtgtg	gctctccaca	aaaatgaaat	37380
agcattttgt	tactaggttc	ccttcctatt	cattctcacc	ttaggtgccca	agcgtctgat	37440
cgcccaccta	tattaatttg	acaaagagct	gotgaacact	tactgagtgt	agagcttccc	37500
gcactagata	ggatgccttg	tataagccag	caagcaagga	ggcaactctg	tgcactgtgc	37560
acactcctct	ggcagtattc	aggggtcagc	tgtattcagg	gtaagggaca	atcacagatc	37620
caaacagttc	cacctgactt	ccacgcaact	gttagctaag	cactcacgtg	ctctctctga	37680
acctttatct	gttgatgagt	atgacctga	tgctgtctct	tcaggatata	aggtgtctaa	37740
aacagtagct	tgtaggtaga	gggtctctat	tagcattgtg	gccccagaaa	cctatcactc	37800
accatgtgag	cagtgggaga	caacacccct	agaaaactaga	ccaccactag	gtgacaccta	37860
aacaaggctc	cagggcagct	gtgagggttg	tctgagtcag	cactctgaag	tacaggaaga	37920
ctgcggaccc	atggtacgct	catcagatga	tgagcatcag	ccccagagt	tgcacagagt	37980
acaataagga	aggtcttgag	gccttgcctg	gtctgtctac	ttctgatctc	tgcagcaggt	38040
gcagagccaa	tgtcctgggt	gggtatgggc	tccagacaca	catgggagac	ctgtgggttag	38100
acggaggcct	cggggcagat	gatgacgcga	cctgtctcact	cagtacagge	tctgcattcc	38160
gcctgtctcc	tcccttcttg	cccgagctgc	caaggggcgag	aggaaggaca	gcacgtgtcc	38220
tactgtgaga	caggaagaga	agggccattt	cctatccagg	tgaagctgtg	cctcttcagc	38280
ggttgcccc	gaaagacagt	ttgtctctct	gtgtctctga	ggacatagct	aggatctctc	38340
gtaccagtgg	tactggggag	agcagtaagc	acggcatgcc	catgactact	gaaaactaaa	38400
gcatacagga	aagacacacg	gactgggtgac	tgaatgggtc	ccagggaagt	ggtctgaggg	38460
gatatagaag	agccaggttc	cccacatcta	cctcttccag	atctttctag	caactactct	38520
cacaaacagg	tactatcaca	atgtctctta	gggcaaggag	gggaacaaag	ggagaggccc	38580
cgaagactgg	aatgcagagc	cctaggccac	gagctcgtga	ccgacccctag	gtgtgcctcc	38640
cctaggggca	gggacaggcc	ctgaatctgc	ttcttttctc	gcacctccca	gaggagatca	38700
gaggaggcag	aagcagcaag	gctctaatct	ggggaaccac	ctggacaccc	ggcgttgtcc	38760
ggaacttcag	agatcagctt	ttggggggca	atgaggatag	gatccagttg	gggtacaggg	38820
gaacagagge	tggatctcag	cactcaagac	agtgaagtaca	cagggtcata	ggaaagggtg	38880

aacctcacta	gtctgggttg	ggcttgagct	tgaaaaggag	caaataaacc	agagggagcc	38940
agatctctgg	gcagcttgcc	aaggtttaga	tacaggccca	ggctgctcag	tgctttaaga	39000
tccaggaact	gggaaggacc	agatgcaggg	aggagcctga	ggagcagtct	ggagagcagg	39060
gaggtaaag	acaaacagag	gctttgtcca	ccctgctgcc	agcagggaat	gcacagttag	39120
acaaggagac	tctgaggagc	acaaaacatt	tccatggcta	gaaggcacca	ggggagaagg	39180
ttgtgtgtgt	ggagggggca	gtagagatag	gaggggtggc	ttctgagtcc	ctcaggccac	39240
caaggatgga	ctctgaagta	gccaggaaga	gaccgtcaag	agacaaggga	ttctctcttc	39300
acacatccta	ggaaggaaa	aatgcaagga	agggccattc	ctccaataaa	tagctcagtc	39360
acgcatttca	ggtgcacagg	ggacgatgac	acagcagcag	gatgagttag	gcacttcctg	39420
gtgagtcaga	aagctaccaa	catggccact	ctagtccccc	gagcacacct	acctatctca	39480
agaatatgta	ccaacatggt	gtgttgatcg	tctcagcagc	ctgctctcct	tacaccttct	39540
ctactacaag	ctctgcaatg	catcagagca	ggcccaccca	tcatgtgcct	gtctcccaac	39600
gtgtctgtca	ccaacccacc	ctgctttgga	tagacaggat	aagctgaatg	gaagcaaatg	39660
gggccaggag	acaggctacc	caggggttag	acatgagact	ggagcggccc	cttgcatagt	39720
cctagcactt	ggcatagcat	ttagtaagaa	ctacgcagcc	aacacatgac	taacagggtt	39780
cagtgcggca	cagacagaaa	tagctcggta	catgagagta	tgggagacgg	tcagtcatca	39840
agcactccat	ctgaaagcca	ggctgtagag	ctgggtgcaag	gcccctccc	gactgcaagc	39900
cagtctccat	ggcactgtca	ccagataaaa	cctatcacag	agtcactga	cacatttcat	39960
gccatgcata	gccacggacg	gctaattgaga	ctttataaat	ataagcctct	tacagaaaca	40020
acagcgtagg	tgaacttaagg	acagctgcca	ccttcattgtc	atctgtcctg	gcaccagtgc	40080
tgatgggtgc	tgtacatcca	ctatgtggta	cccacagagg	aaaggccacc	tcttatccct	40140
ctaggtgggg	ccagatcaca	ctctcacctt	ctctcttttc	atctcccaag	cacaaagtct	40200
tggteccaaa	accagggtggc	tgggagtctc	tagcctgggc	tggccactct	agaacgtatc	40260
agggattcac	aggcctcggc	tcaccccttc	attctgcgtg	tgaaatggtg	agacagcaaa	40320
actcctcttg	tttacagaca	aggatctgag	gattctcgag	gcaatagacc	aggcttaact	40380
gtggaagctc	acaggagaag	catcaggctt	cctccctcct	gagggtcaaca	ttaaacaat	40440
tcagattctg	gcaagtggag	tatcctgcag	gataaattca	ctggttttcc	ctgttgccct	40500
cctctgaagg	ccttccaagg	ctgagacatc	tgacaaacag	aaaacgaacc	tggteccctg	40560
tgggtctgtc	tttcccacac	tctaggagaa	tcacataaac	atacacagat	gctcaagct	40620
gtccacttgg	caactttatg	tttgatactc	cctgggggtg	gcagtgccat	ctctggcacc	40680
caacagtggc	cacatccagt	gcttctctac	aaggctgacc	tcgacccac	gtttcacctt	40740
gatctctacc	tactcccgcc	tcctctcttg	tgcagccta	ttgaggctca	ccctctgtag	40800
gggcaactgag	cacagggcct	gtccacacag	accatctctg	aaaggctctt	ggcatttacc	40860
ctattgtgcc	ctgaaggggc	tgggagggca	ccaggagcca	ggcctcctgc	tctcatggca	40920
tggctccctt	gtaagagtea	gtaggttgga	cttgtgtcct	gaggaaactga	aatgtctgca	40980
gagctgtctc	ttggcttctt	tctgtctggc	ctctgtaggg	gggcccacgc	aatggaggaa	41040
tggteccact	ctctgccttg	ggaggaaacc	acaaaggaa	ccgtgacca	tgaaggagat	41100
tctagtcttg	ggctggggca	ggtagctctg	agtcactgat	ccggtaaagc	agccttaggc	41160
tctgcaggca	catttgctca	caggaagggt	ggccattctg	accctaactca	ccctgtctga	41220
gtggatgggg	aagatctgcc	agccacccac	cttctctccc	ccacccccc	ccagctact	41280
tcacactctc	agtttgactc	ccatgccttg	aggtctgccc	aagagctata	ctgtattgga	41340
ggaagggggc	aaggggtgtg	ggtggattca	gaagatcagg	acaatgaacc	tgcactggt	41400
acctaggact	tccctttcat	gtccctcacc	tgggacatca	aaccacacac	taggagacac	41460
tjaagtacca	tcttagtttc	tcctctgagc	tgagctcaat	acctgtgtgg	ccaagagtgg	41520
cttttgctcc	tttctaagtt	caggagggtg	tgtgggttag	tgggaagaa	ttggcagcct	41580
tagcaacagg	gggtcaggac	ttcttggtgg	tcacagggag	ctggactttg	gtgggtgtga	41640
caaaagcccc	tgggtttctg	tggagggaag	actcctgagg	aattgacaca	ctcttgccag	41700
gcctttctca	gtaagggtgt	ggcctaagct	tctgggtttc	ccagatcaat	ctcaccttct	41760
gttccctgct	ttgcagccc	cggcaactgt	tgggtgtgaga	ggcaagatgg	cagaagctgc	41820
ctgctgacac	actggtgtgg	aacctctcca	tttatccctc	attcttatag	aagcttaggc	41880
cccacaggcc	aggaactggt	aggtctggtc	ccctaactgc	tctcaggct	gggacagtgt	41940
gtgcttaaa	aatcctatgg	agtgaaccag	cctggagtag	cttcaggcta	ctctccccc	42000

ctccacccct	gcctctagaa	cactccctct	tcccaagggc	tctatgggtg	acagaagctg	42060
gagtctctag	gtgtgtgaac	acaccctggg	aactgaactc	tgaggaaacct	tagagcctgc	42120
aaggctgatt	cccaaaccgg	tttggctggt	ccttgccctg	tggaggctgt	ccggggctga	42130
gcaagaggag	actcaagaag	attcctgaag	agttgagcct	ctggggggcct	cagaagaacc	42240
cagtctgaaa	agttccctgc	acatttccca	ttaccatcag	gtcagcctat	atagttcagg	42300
ctcagatgct	aagactgcag	tgccaagtca	ggggagaatg	ttcatcagga	agagaatgtc	42360
ctacccttag	gatggtttca	tctctacaaa	gtgtcctctc	aaagtactgt	ggacccgagg	42420
acgggcttgg	gaagtgagct	ggcaatctgg	ctcagttcat	ctgacagaga	gccacttctg	42430
gagatgtccc	tcttgaagta	gtggctccct	ggtcctccca	cagatccctcc	tgcggttgga	42540
cagctacagc	tgctatccag	gagaagtcag	gagcctgact	caggccactg	ctcagtgtgt	42600
ggcaggctgt	gacctttgtc	ttcttaggct	ttagggatgg	ccatttgctg	gctagggatt	42660
gcagaccatt	acagtaggag	acgaaagagc	tttatgaaca	aagcatgggg	gaccagttag	42720
aaggctcagt	gggtgatcgt	gcttggtgcc	aagctaaagt	ctactcaacc	ttgagttcaa	42730
atcccaggac	ccaaatgggtg	ggaggagaga	aatggttccc	acaagctgtc	ctttgatctc	42840
cacacacaaa	catagaaacg	taaaaaataa	aacacaaatg	acaacaggcc	tttagtccca	42900
actctcagga	ggcagtggca	gaagcaggcc	agtttctctt	gagtttgagg	ccagcttggg	42960
ccacacagac	cttatctcaa	aaacaaaaca	ataacagtac	aataccaata	atccaagtgc	43020
tggggatggt	agctcagtgg	cagaactttt	gcctagcatg	catagggctc	tgggtttaat	43080
ccccactact	acaacgtaca	gccacagaaa	caaagtatgc	agcactgagg	ggaaggggag	43140
gggaggaggg	aggagggagg	taactatagt	cttccattta	gagccttgga	cctacgcccc	43200
taacaaactt	ctctccacag	cctgggaaga	catggattcc	accagggcag	aactccttgg	43260
tgctcaagga	cacacactgg	tgttcctaag	gggctatttg	aggactcccc	acctgcccct	43320
gcaacttctt	cttgccctaa	ggaacacctg	aaaaggccaa	ggatagcccc	gaggtggcaa	43330
cggtagtaaa	agggatgtag	ttagatggcc	taggagacca	gaatgctctc	gcattggcct	43440
gagtccttaa	ggtgagaaga	cacccccctc	acagacacac	acacacacac	acacacacac	43500
acacacactt	tattgatcgt	ggagctgcag	cagggacagc	ctcaagatcc	attttccttc	43560
ctgaacacgc	tctctcctac	aggctaaaac	accactaccc	tctgttcaaa	cttagggaat	43620
tggggggcca	aggaagtccct	atggaaatcc	tttgtccctg	gggaacctct	gagacatgtc	43630
atcgaaactc	acggtctgat	tctccaggt	aagaggctgg	agtgageccc	acttcttccct	43740
tagatagcac	agaatcccca	attctcacca	catcggcagc	cagatgacag	cagatcacac	43800
ctttatgtgc	tgagcaaccc	agctgtacac	tgtgtccaat	cctaggggaa	ccagcaagca	43860
gctggtgacc	actctcaggg	ccctcaaatg	gcagagctca	tgacaccaac	atagaggctc	43920
tgtgggggtga	ctaagtcttg	gtgagatgat	tgccccacag	caaacttgta	tcaacaaagg	43930
aacaatccaa	gcagttctca	aaactcaagg	gcgtggggca	tggtagacagg	tgtgacaagg	44040
atggagaggc	agcattcaaa	gagtgaacca	caccttccac	tacgggggtc	gagcacactc	44100
agggagcacc	tactggccag	actctgtccct	atctgcctcc	tgtcttttagg	cctctgaccc	44160
ctcatctcac	cccccccccc	ccccccccga	gtcacccagat	gcctaaactgg	atacatttttc	44220
agacttttcag	gatcctgggtg	caaaatgcag	acaggggcctc	ctccgtccaa	ctccggggcta	44230
tggagtttagc	tgacgtcaact	ctgggacaca	cagctcttct	tctttagaag	acctctcagt	44340
ccaggggctc	caaacatggc	aaacaggggt	ggttagagggt	tcttctctgc	ccagctcttca	44400
agtgggttct	ccacgtgggt	gtggctgtct	tctactccaa	caaatgagag	cacagtttca	44460
tttctacacc	ttccctgact	ggctattctg	tgctcttcca	gaaaaagcct	aatggagata	44520
gtgggtgagg	gaccatctgc	gtctggctgt	gaccacctcc	tctccagggtg	cccatggggg	44530
ctggttaggtt	aacagtctgc	tgacggaaaa	cagctgactg	atctctttat	gocactggat	44640
cgtttttttt	cctaaaaccac	aggggggtccc	tttcataccc	tgagaaaaca	ttccagaaca	44700
tgttctagat	tgtcatagac	actcttgggt	ttagactgat	accacctgaa	gcaactctca	44760
gagactctgg	atggcacacc	taaaggggtg	tgaaggacaa	gagattctctg	ttgttgttat	44820
tgttttactt	ttttaacttg	atataattcc	ctatggactt	ctttaaaata	tcctgtccatc	44830
tcattgcagt	gaaagtcatt	ctcttgacac	cagggctgtg	gctttctgga	tacccctggc	44940
cagtatgtaa	cactcaggat	gtcccggaaca	ggaaatccca	gagcaagaact	gaaccatctg	45000
gatttccctgg	ccagacattc	tctcagtcca	atccttagaa	tgtcttgga	ggctggttac	45060
aagtcctaga	ctcccgtaac	tgtgggatct	ctgatgctgc	aggacagagc	tgacgaatct	45120

gcatttccat	caggttatgg	tgatgggtgac	gctgtccagt	ctcactctga	gaagcactgt	45180
cgggcccggc	agcacgaaat	gctctcaagg	acttcaggaa	tggatgtgag	aggetctctc	45240
tcctttctcc	tattcactga	cttaatatcc	aggggtctct	aggaccagct	ctgtaacccc	45300
tctttgggtt	acctttccac	cttgggctgc	agagcttctt	caacctcaca	ctctctctca	45360
gaagaagaat	cctgggctgg	agacaggagt	gggtggagcc	ctggttttat	gtcagttttt	45420
ggagcaaggc	ccaggtgggc	tatgcacctg	cctcacctgc	aggtgacctt	ttctgtctac	45480
acaggtgttc	tagtggcatg	acggaggagc	tacaggtgga	gaacttgatt	cgggtcagac	45540
cctattccag	tgactctgcc	tctggagtcc	tctgattgaa	ggtcttgtat	ttgggaacct	45600
gggtctgtcc	ccagcagctc	tcggggccag	cagctctcgg	ggccaccatc	aacagctggt	45660
gggctggctg	agtggagctg	aggactctgc	atcttgtggc	catagggctg	agccagctgt	45720
gggatctcag	gagccggggc	ccaggttaagg	caggatgtga	tgggggaggg	agggcaagca	45780
caaggcagac	agcagcctgg	ccatctgctg	tgcagtcagt	cccagctcct	ggtttctctt	45840
cagagcctct	ggaggaggcg	accgtcattt	gtttaggcct	ctgcagtgtt	caatcaccac	45900
acagcactcc	acacaacctt	ccctccatcc	ctccagctcc	tgttctctct	ctctgcagga	45960
aacagctttt	gccttctgcc	tctgatggag	gccatgaaaa	ttaacggagc	ttgaggcgaa	46020
agcacggtgg	caggaggggc	tggggttgga	cggccagctg	gccaggctga	gcgggcacag	46080
acaggggtgag	cttgaggcct	gaggggctgg	cctggctaga	caatgggcaa	cccagcaagg	46140
ccacaggacc	acggatgggtg	gtcagcaggg	tggagccaga	cttcacagtt	tggactctgc	46200
tgggatcctg	ggctgaggga	gaatctgagg	atgaaacggc	ttctttctct	gaccttaaaa	46260
gagccagctc	gtacaggcat	tgtgtcctca	gaaggtcagc	tgcatatgct	agacaaatca	46320
ggacacccct	ttttctttgc	cgtcctgaca	gtgctgggaa	tcggtgatca	ctatgtctag	46380
tctcctggcc	cccagagaca	ctgagagact	tgccaaagga	caaccagcaa	gagcaaatgg	46440
caggggggttc	tatactcttt	gaaggagaaa	aattacttat	gtacaaagta	catagatata	46500
tctctttgta	gagcagacat	tcacacgggc	aggaagaggg	agctggctcc	agatccacag	46560
ttctcccaat	acctgatcca	cctccctctt	gtccttctga	agaggccatg	catgcataca	46620
attagagtag	tggaaacaag	agtctctctc	tctctctctc	tctctctctc	tctttctctc	46680
tcacacacac	atacacacac	actccacatt	gtccagatga	tgagatagga	agactccatc	46740
atctaagggc	tacagaagac	tctcagggaa	ggttctctga	ctaattgggaa	gctgaccagc	46800
tgtcatataa	catggagaaa	aactagcact	gaaatgtccc	attaggaaaag	taaataggag	46860
ctcagtgtgc	tggcacatac	ctttagcctc	actaagcact	ggggaggcag	agggcagggg	46920
atctctggga	gttctaagac	aacctggtct	atgtggcaag	ttccaggaca	gctagcagta	46980
taaaaaaaaa	agaggaaaaga	gggaggggagg	aaggggaggga	ggaaatgtaa	aggccagctg	47040
gctgaaataa	aggagagagc	agaagagaga	agcccaagat	gaacagcttg	actccccaaag	47100
acgggtccaat	gactcagact	tctcatgagg	agactccatg	tcagctcctt	ctagcctcct	47160
cttcagcctc	catgagaacc	caggacagaa	agagcccagg	cctcaacttc	ctgctccaca	47220
cagatataac	caagcaagaa	gaaacaaaact	gaagagctca	ggagtctggt	ggggcttcgg	47280
gaagctcgac	tcgacagggc	aacggcattt	aacgaatctc	atgtcatcca	tcattctgggt	47340
ccagccactt	agataccggg	catttgatta	aactaatatg	gggggcaggg	cgcttccctac	47400
cctgcgctac	aaattagacc	gtcacacacg	atccgattac	cttgactgpc	acatttatct	47460
tgagagaggg	gccatccatc	actcctcagt	ggccgactct	accaccccca	tgctaattcc	47520
atcaggagga	gagtcaggtt	tgtcccagcc	ttgggtcagg	tgggtctctac	tcattccattc	47580
atccgacatt	ggttcaacac	ctacccacct	cacagtaccc	aggaagaaaa	tgcaggcttt	47640
gccttcagtg	agcccacgga	agtggcatgg	caggagaaaag	gtctacactg	gtgaaggcag	47700
agtgcacttg	gggtacctgc	ctgtgtccca	gcctgtctcc	atctgagacc	acctgtctct	47760
caagtgtcac	acttgggaaa	tggttcaaga	gcatagcaca	gcactgcacat	ggaatttccc	47820
caactggaga	aatgtttctag	atagatctat	gctgcccaca	accaagaggc	aaggccacac	47880
ggggctgtgg	agtaacttcac	ccatggccct	gcaaggggag	ctgagcttaa	gtctcattta	47940
agcttaattc	actgaattcg	agtgtcaatg	gcacactggg	gtccctgctc	cctgtttgct	48000
agcatagatc	cagcagctgc	tgtggagagc	aagctcgggtc	ctcatcgtgc	ccagcgcaga	48060
acatgaacct	agacaaatgc	tcacaaagcc	tggatccctg	cacttttagga	tctcaggcca	48120
gagatggcta	ttcatcattt	gaagagcttg	gaacaggcac	tctactaat	gggtcattat	48180
aatccaacaa	ggtgggatac	tctctacttt	aaatccaagc	tgtggttcag	aggtaaagac	48240

ggtacaagcc	acaccatggt	aaaggtggaa	ccttggtttg	ggtctctgtg	gctttgagcc	48300
ctgtcttccc	accaattgga	ctcctggcac	tttaggagaa	agtcagcagg	actagaggct	48360
acctgtttctg	tgcagagagg	ccacacagcc	agccttccca	tgccacagca	aagctggtgg	48420
tggctacctc	cctctaccct	aggcctgctg	tagccctggc	agtttaggac	agagctggag	48480
aagccaccat	aatgttttagt	tgtaccaggt	acagatggga	ctccatcctg	aggcttagca	48540
agaattcatg	gaagatatgc	tgccctctggc	ttcccagata	ccagtgaagg	cagctctgct	48600
atctggtggg	taggtggggc	tcaacgtggc	tttggttaac	ggggaagtct	gggcctgact	48660
ctgaccctca	ggctgcccct	ggagaaagcc	acactattcc	ttcacaatac	tggagtcaaa	48720
cggatataaa	agagcaactg	tttattcacc	attgagaact	gtctgagggt	attcacaggt	48780
caagtaccag	gcaaagatca	ctgtctgccc	tcaggcctgg	agagatggca	actagggaca	48840
agctatagaa	tgtctgtctg	atgacctcaa	tccccacaga	tggacgggtat	ggccttggcc	48900
aaccacacctc	atctggcagc	ttttagaatc	atacaccggg	gcacaagtaa	caagtattct	48960
tgaacctctcc	tgtgagcatc	ggacaagatg	tgccctgcaa	gcagtcactg	ccaaggtgga	49020
ttttgctcca	cctggcacaa	cctgagttta	ccaatcacag	gcagactggt	cttgctagga	49080
acttaaatgc	agtctgatac	cagggaggga	gagaaagaga	gagagacaga	gacagagaga	49140
gacagagaca	cacgggcaca	catacagaac	tggagattaa	tagtgacacac	acacacacac	49200
acacacacac	acacacatac	acacacagac	ttagacctaa	aggcatccct	gctgtcagag	49260
acttctcaca	aaccacacta	gaaaggagca	ggtttggact	actgaggctg	cctgcaagcc	49320
agaatggctg	ccctagatgg	ggtatgtatg	ggagaggcct	gagagtccac	tactgggcta	49380
gggaaagaga	aggaaggatg	tggatgaagc	gcagggtcaga	agagcctaca	cagagaagct	49440
gacctggtga	gttacagttg	aaaaggatgc	tgggaggagg	ggttacaggt	gagtaggttc	49500
ccagattgct	ccctcgcaca	aggctccact	ctttacactg	tcccagtttc	aaggactact	49560
taggcactca	cacattggta	taaacaagtt	tacaacaagt	tgtgccgaca	cagtcaaggga	49620
gcagcagttg	aagaggagaa	aacagtgtag	aaaaaatgac	gggtagctct	tgcaacgcac	49680
cottaatttc	caagaaggca	ccggggagca	ccccatcaga	gacctctctg	taccaagacc	49740
accaggattc	tcacacccct	ccccaaaatg	ccaacactcc	tttgttgcca	cttaaaccaa	49800
tttgggggta	attctgctgg	caattgtctt	ccgatttata	acacggctct	gtgattgcat	49860
ccaggctgat	ggttcaggcc	ataattgtat	ggtaatcact	tctgtttatg	atcgatgcgg	49920
aaatcactat	tgttttccag	caggcttggt	aaatccaaga	agtgcagggg	tgggggaggg	49980
agggtttatg	tctgagccc	aggaagatga	aattaactgg	tgacgcccac	tgtgggggaa	50040
ggtggttcaa	agacaccctt	gtctcagaag	cacaggcaca	gtgggtagca	ggaaggcagc	50100
agatgaacaa	gctgagagag	acacaagatg	ccctgctgta	acagtctaa	aactgtctgg	50160
cactcagatc	catagagatg	tccagaggga	cgccacagtc	atacagtaag	aggggagggt	50220
gctcttttagt	acatccatcc	tcatgcctgc	atttatgagc	tacagagagg	cagaggaaat	50280
gcagatgcca	ggaagcaggt	gggctactgg	ctgccttatg	cttgagagct	caggcctttc	50340
aatcctaggt	ctacatgggt	tctttcttgc	cttgccctga	gacgcctac	ctgctgtctg	50400
aaacaagggtg	acagatggca	cctggggggtc	caggtggcag	gaacagggca	gtgttggtgag	50460
atgagctgct	gttttggggg	aatgagggga	actgcccacc	tgggtgggtag	aaacctgaac	50520
ctcccagagg	ccacagggaa	tggccctggg	ctggatgggg	gaggaacaat	accttccaag	50580
gctgtggcag	acaccttaag	gcacagaagg	atagaaccag	ccaggctgga	ggccaacagc	50640
cattcggagc	acgagcaggt	accagctgtc	atgtacagct	caggcaaac	tggatgttgc	50700
aggctgagct	tggctgcaag	gtagatgggt	gtataaatgt	acattcttcc	tccaaagcaa	50760
gagtggaa	gacctggaa	ctctggactg	aaggctggga	tagggagacc	cactagggttc	50820
caaaagccccc	agggaaacac	tcaactctgg	actctctctc	gaggaggctt	ttctcatcca	50880
ctgaacccca	tggcaaccaac	tgacaaccatt	ctgaactgccc	ccagaacttg	ttctatatat	50940
ggccctagct	caggctagct	ttgggcaact	gtcacaggca	gcttcccttt	ggctcagcaa	51000
gttttttagtt	ggaaagaagt	gtgcttaagg	agctggagag	atggctcagc	agtttaagagc	51060
actgactgtt	ctcctaaaagg	tcttgagttc	aaatcccagc	aaccacatga	tggctcaca	51120
ccatccgtag	ttgagatctg	acacccctctt	ctgggtgtgtc	tgaggacaa	tactgtgtac	51180
ttatataaaa	caaacaaaaca	aatacatctt	ttaaaaacaa	cacacacaga	cgtatgotta	51240
cactagctgc	cttaaccaatg	tcagcctggg	ctcaaggcca	cccaccccat	tctatggttt	51300
tcttcacaga	ctgagtgtca	ggtttctgtg	tcccatgctg	tcacaacaaa	agtagccagg	51360

gtcctgagat	catagaataa	tttgagtttg	tgtatgcgca	gtgttggggc	tcaaacttga	51420
gcatgctagg	tatgaatgag	cactctacca	gtgagccaca	tcccagctcc	tattttacttc	51480
tcttaaat	attgcaagca	actatttcag	cccattcttg	aatggagagg	accaccccag	51540
agcccaccag	actcttgggg	ttcagaccct	aaatttgccc	ttgcttagtt	ctccacagcc	51600
accctgtcta	tectgtacca	gaaggggttt	ggggtgtgtg	tgtgtttcag	agcacatcag	51660
ggcagggcag	agcatgccag	aagccaccag	aagtagaatg	aacattcttc	attgaactaa	51720
gattccatgg	aacttctaag	attcatctca	agaaaacagg	ccagttctcc	cagggatttg	51780
gttttctgaa	gtatgtcaag	caagccatgg	ttacttaagg	ttcaacacaa	aatcagttt	51840
aataacaaga	tttttttagct	acaatgaagt	tttctaaatg	cagagacaaa	gatcaagggtg	51900
ggaaacattg	tatcttctgc	ttttgttttc	tttttctttg	gaggttgggg	ggcatttgta	51960
aaagtagtgt	gtgctttgtc	ctctctctct	ctctctctct	ctctctctct	ctctctctct	52020
ctgtgtgtgt	gtctgtctgt	tgtctgtccg	tgtgtgaaca	ggccagggca	tccacatggg	52080
ccatattgga	tagagtgtca	tgagtatcat	cttttggggg	catggtgtca	ttctctcctt	52140
aatacatggg	ctcctaacca	agtcccggac	tccaatagaa	attctgttgt	ctggattttcc	52200
aattcttttg	gacagtttca	gggaatagga	gatatggctt	gcaaggggtc	cctgatgggtg	52260
tgagagactc	agtatgagaa	gtgagaaagc	tagagagctt	tcactcttgc	tgacagccca	52320
aactccctgg	ctccacacgc	tccatttagtc	catgacaata	cctccttttc	tggggagaga	52380
gtgcggcatg	ggcaggaaag	tcccttctgg	actctgaaga	gctctaacaa	catctactgt	52440
gtcagcttat	catggaagct	ttggaggtag	ccggtaacct	ctgacctcaa	cctgcaatca	52500
ggagcttgag	tcagttttaa	gataagggtca	cacgggtgtt	gttcctcctt	gtgcctgggtg	52560
gtaagaggac	tcaagggtgag	aagctgaatt	accatagaga	gatccttcta	ccctagacgt	52620
aaccacaggtg	gctgtgactg	gagggactgc	actttgaggg	ctcagagacc	agtctttcca	52680
gggtccttta	gttctggcgc	caagcaggga	gaggacctga	caagccctct	ctgttggtatg	52740
cccagatgct	ctgctaagaa	actgtgaaaa	ggacctctgc	acagataact	gtaatgacgt	52800
gcacagtatc	ttcctattcc	tggagatggc	agaggtaact	gggtgccaaag	gagaagccac	52860
aggattccct	tccctcaggc	ctgagagaat	catatacaat	cagattccca	aggatggagc	52920
aggctaggaa	gtcaccctgg	ctttctgctc	ctgtcctgag	agctacctct	gggaacagta	52980
cccttagaaa	tactctactg	gaatggcagg	cctgccttcc	tgtgggcatg	gctcagggtt	53040
tgctagcaca	gggtagctca	tccatgccct	taccgcagcg	tatccactga	cacacctaca	53100
tgctgtatcc	tttgtgtctag	gcacactggt	cacacacgag	tgtgcacaca	cccacaagaa	53160
caccacccca	gagcctcctc	tatgactcaa	tttggaaatg	tcctttactg	gtctataagg	53220
acacacacat	ggccctatac	acacacacaa	acacaagtaa	tgcttgtgtt	atgcatgcag	53280
tctcggaac	aggtctaacc	acttcgcctc	cagatacgag	tgttacctct	cacatcatgt	53340
gctttgcagt	ccactggggg	ggacttttaa	ctcccaagaa	ggcagaggcc	ccacccagaa	53400
cctgctcttt	gttcattcac	gcattcaaaa	acatacttgc	ttgcatttca	cctaccogga	53460
tgctgaacac	acaaacctgg	atgagccaca	gctgcgcaga	gtactgagca	gtagcagcag	53520
gcaggggtgg	gggaactagg	tatgtgtcag	agtaagcacc	acagaaaggg	catgcgcctc	53580
gggccccccag	cagaatgtcc	gagacacacc	cggggcaggc	acagctgaga	cctgtggcaca	53640
ctactgatgt	ttacaagctt	aaggtagtgt	gagtggggga	cggcacagtt	tcagtttaaca	53700
ggacccaggga	ctaggggaagc	tgggtctgaac	gggcctttct	aggggctggg	tttccctttag	53760
ggaagagtcc	atggggcacg	cctaaaagggtg	ggagatccca	caacctggga	agtaactcca	53820
gagaaaaagg	tcccagagaa	aacggtcccg	gggcgcacac	tggacaagag	ggattttgct	53880
aagtcaactga	ggctcctttct	ggagagagcc	cagtaactaaa	agctgagagg	attaccaggc	53940
cctgggtcagc	ctggccctgg	cgagacttga	ttctaggtca	gatgggtggc	tggagggaaa	54000
ctggtagcgg	catttctttt	gtatcccaaa	cagtctgtct	actgtctcgt	gggcctttgg	54060
gtggcagcag	gacccaggaaa	gagacagacc	ctgtgtgtgtg	cccacaaaag	aggaagcggg	54120
agggctccttc	tcacgtcctg	aagatgtctg	gggccttctt	ctgtctccag	ttacccctct	54180
agtctccact	gtgacctagt	ggagacccac	tggctcacagc	catgtgtggc	ccagtgggta	54240
ggacagggat	tttatatgtt	gagtgtctgac	ttctgcacagg	gcacccctgg	gactgtctgg	54300
gaacactggg	ggatgggtgg	tggaaaaaaa	acaaaagcat	gcacacccaa	actatccctta	54360
agtccctgta	gagaaaaccac	aaacctttct	cctgaggttt	ctcatggcat	gaggcctggg	54420
ggaacccagg	acaagcaagg	caccacaggtt	tctcaggttc	aatggaggct	gggaattagg	54480

gtagcgctaa	gcaatggagc	agtcgcagag	gaggacacca	gagagagggg	ttgtgggctag	54540
gctgtgagta	tagtgccctg	gtaagaggcc	tctccctttg	aggaacaaga	gggtgggtacc	54600
cctctagagg	gcaggtatat	gcaagtagag	agacttggtta	cagagctaga	agagttaatg	54660
gttcattaga	actgaccagg	ttcccactga	aaaaaccacc	ctcttttaggt	gtactgaata	54720
gcaagaatca	cctcagtgta	gctcagctca	aagacgctct	gcataagaag	ccagggggctt	54780
ccagatgttg	atggggccaca	catagatccc	agaagggaat	gcttgtgtga	aaaatgtgag	54840
ggccttagga	accccatgaa	gactcccacc	cagctcaagc	ctcaggaagg	aaatgaaagc	54900
ggctgccagc	acttgggtac	ttcctctcca	gctgggacat	gagctggggc	ttcccagccc	54960
tggtcagtca	ccagtgtcag	tctctgtggc	ttacaccagg	acagcagaca	acaagaacac	55020
ccgcgcctct	ccccacacgg	tttcagacca	cccccttacc	tcccccggt	gtgggtggcca	55080
ttcacaagga	agggatgggc	atctctgtag	gggcacagcc	aagattctgc	tagtagtaca	55140
caacaggaaa	ctgaggccca	gagaaggcta	tgggcaagtc	gggtcaagag	agaaccccca	55200
cctcccgggc	ttggaactcc	aggagagtct	gagttaagct	gtcattttaca	gggtaactac	55260
tatatcccag	acacagagct	aaatgctccg	cagccctgtg	atctactgca	gcctgccagg	55320
caagcagcac	agatgtttta	tcatcaaga	aacaagcatg	aattaagtga	cttaccctaaa	55380
gtcaccacag	aaactacaga	tgtgggtttc	ataattacgt	tccaacatgg	cttgggaata	55440
ccctgggtga	ccctgtttta	agaggccctac	atgcgtcggg	gtgatgggtg	tgatggcaac	55500
ggggggccagg	caggcaggtg	agtctgaggc	cctgctgcag	atcctaacc	cactacagac	55560
ctcataagac	atcttcaaga	gacctcagtg	acttagacac	cacactgcc	aacagaacct	55620
cctgtctttc	tgggcgttgt	tgtacacca	ttcaatatga	tatccacca	gaacttcaaa	55680
tgggtgggatt	aaggaaactga	aaaccccaaa	tcatctcatt	ttaactaata	catctaaaca	55740
gctacacacg	ctgggctgct	cacacttgaa	gatagcctga	gctacagagt	aagactgtct	55800
caaaacataa	tcccaaaatt	aaaaaacaaa	aacacaatca	aataggcaca	ggtagctagc	55860
tactgataac	taggtggagt	tgtgtaatat	acctgtgaaa	ggtgggaccc	caagaaagag	55920
aaggactcct	taagctgtat	accacaaaagg	catcttgaca	ccccgagctt	aggacaagaa	55980
cctaggtaaa	tatgctctgt	acagagtgat	tctaactggt	tgtttgtttt	ggacatgggt	56040
tctgtaactg	aggttagcat	taaattcatg	gtaacccctc	tgcttctgca	ggattttcaag	56100
cacttccctag	atgaccactc	ctgtcatcac	cagcctgtgt	cctgggctgc	tcatgtaaca	56160
caaaaatgag	gcaccagta	ttgacatccc	tcatacataa	cccgctctgc	cttacattca	56220
agcaagggtga	cacctgtggg	tatgtgatca	caggctagca	tgtctaacct	tttgacatcg	56280
tgacataaca	ctgtcattac	aaagcttaca	cttgaaaact	atatagctga	atcacacaca	56340
cacacacaca	cacacacaca	cacacacaca	cacactgcag	aaatagctct	taatgtttta	56400
agtggctata	atcttgtgtt	gggctgtatt	tattctgcta	tcttcagcag	cctgtgtctac	56460
atgctgctgt	ctgctgggga	ccagaggtag	cttccctgggt	ggtggcattg	ggctgggtct	56520
agatccagca	gaactgagag	atgagagagg	gttccaaact	cggctcttct	tttttttttt	56580
tagtatagaa	ggtgtgaaga	gttactctgt	atctgggtga	ccagctcctt	tatttactgt	56640
gtcaattacc	aataaacaga	aggccaagtg	ccttctgctt	agcttgagag	cagaggccat	56700
agactcaacc	tccagcattg	caaagaatat	aaaaagaaag	gaagggaagg	aggtagaatg	56760
gagatgggga	gggagaaaaga	gaagggaataa	ggaagggatt	aaaggaggaa	gggaaggagg	56820
gaggagaaaa	gaagaaaagg	gggaggggaa	ggggaa-gaac	aggagggaagg	gaagggaagg	56880
atagcaggca	ggccctgggg	gctgctgctt	cttttccctt	tgaatgatgc	tcccacccac	56940
caccacccatt	tttcaaagtc	ctcctaaggga	taagtagaga	tggaaccaga	tgttgtagaa	57000
tgttctctgt	ctatggctat	tccactaata	agagacaaac	tcttgggaga	cagacaagggt	57060
cctgtaaaac	atgagatgac	tcaggctctg	acctgtggga	caaggattaa	atcctgtgggc	57120
aaacaaatagg	atgtgagaag	ccctggggggg	gggggtgttc	tcttttaacct	gtccccatag	57180
ccccagtcctt	agggaaatgt	cccatgtga	gtaaaaacttc	ccagacctgc	tggggaccca	57240
aggagctaca	gggacacaat	gtctattttc	cctctctctcc	ctctctccag	gagagctgac	57300
tggggagatc	tggacaagtt	ccagcaagtt	ccagagctc	tgggggatgt	ggagcaactgc	57360
ctttgaaccc	tacpatgaca	actgcaaaaac	aggagctctg	tgaaccagaga	gggctttctgt	57420
tttgtccagca	gaagcaaggg	tatcccccgt	gcaggatgct	aacctccctt	cttccacggc	57480
agaattacaa	caccttctgt	tctggtaact	gtagttctag	gagcctcagt	ggctccaaaag	57540
tcttcaacag	ctctcccaact	gccttaggga	atcaaacctg	ggaggaggagg	agggtttcag	57600

ccatgggggca	cttagccgcc	actggaggtt	ctggtecgct	gacctcccat	ccagtaccac	57660
acctcaagcc	tcactcactc	acatgacatt	tattatcccg	ctcactcatt	tctgggaaac	57720
ttcaggctga	tccaggccca	aagtcacat	ttcctgctcc	cttccccagc	tccaccgtac	57780
agacgagata	gagcagccct	atcagagccc	tcagccccac	cctcaccccc	accccaaggt	57840
gacttgtaaa	aggttacatg	tacatgttgc	atgcagtaca	gatactatta	ctggagggtc	57900
gggccagagg	aattgtgttt	attctgaaca	gtgtcagagt	ttgtggggag	cgcatcccag	57960
ctgaaatcaa	tcagaggggc	ctcgctgcag	taaaatgtca	tcagaggctg	gaccagcccc	58020
tcaggcaggc	cgttgcccta	ggctaggcct	caactggagg	cagggtctga	gaagaagcca	58080
cacgattatg	caggtctaaag	agatgagaag	cccagagtgg	gcttctagt	gaagtcaggg	58140
acacagctag	gctggctacg	gtgagaggaa	aataacctgg	acccctctgc	ccaggattct	58200
catcgctgg	acaggcaagg	cttggctccc	ggcatcctct	gggaggggtc	cattggcaga	58260
gagactctga	aggaaaggca	gcacggtaac	ctgtaagggt	cttgtaaca	gggctgtaaa	58320
ctgagattgc	aaacaaagcc	cctctcggcc	ttcaatatcc	ccctcccgcc	ccccctagat	58380
gggtctggag	gactcccttt	cgggtatgca	gaaagccacc	ccttttagata	gcccagggtc	58440
tagccaggaa	gagactacac	aggacagaa	atgcaggtea	ctagtgtctc	ctggcttgag	58500
tagaggatca	gggaagaagg	cggcagggtc	cagttcaatt	gttagcttcc	agctctcagt	58560
gaggggcctg	tagaagacca	ggtgagggaa	gagacttgct	ccatcccaca	cctgcccctgc	58620
tgtgaccttg	gtctctctct	cccaggtaat	ggctgttgct	tgtctgtcct	tccaggccca	58680
gacgtactgc	tcaggagctc	cctaggaagc	tggatgtgct	ctgagggtga	gggccttggt	58740
tttccccgag	cgagctccct	tgggaggtgg	ctgctgtttg	aaggcccggg	agaggttccc	58800
aggcagttgg	ggcttctggg	gagcgagtgc	cagagcaagc	atagcccagt	gggtatgctt	58860
cgataccagg	gatagtgggc	cctggaggag	gacagcaagg	gggtgtgggg	catggggctg	58920
taccattttg	caggtatcca	gacctccctt	tacccctggg	gctctctctg	ctggctcctt	58980
ccttctttct	ctggagtga	gcaagcaacc	aggctacctg	cccagggatg	agtctctttc	59040
cttgtggaga	agttggcttc	tcctgaggga	cccaagccac	atccagcaag	gtaaacacct	59100
tccagctcca	gagtaccttt	ccctccctct	cagccctgcc	agttcagaac	tgccgtgtct	59160
gaggaccgtc	tgatcgatac	atgacttcac	agagccctgac	gccttgccgg	caccatggcg	59220
gtcctcaggg	aggtcgcccc	tggactgctg	cccatatcatg	ccccctggct	gacctctgtg	59280
gcacagcaga	gtgctggcaa	ctagccctcc	ggcaaaatct	aaccccagta	ttaactgcaa	59340
acactggcta	gtctatgcct	gccccacaca	gaggctgcca	tgactcaaaa	ctgttaagca	59400
tacggaaaac	ctaataaac	aggcttatgc	tgacatgagg	tgggctcac	tcgagctttc	59460
accagcact	gtctaactga	actttctgcc	actagaagac	agctgtttta	tagtccaagc	59520
tgtccagtag	ggtagccgct	agcctgtgca	gctattgagc	ataagaaaac	aattccagct	59580
agggatgtag	cttggttgat	acactgctta	tcttatgtgc	aaacagcact	ggcttaagta	59640
ccggtcacaa	atcaaaactg	gctcgggtgac	acatgcctac	catcccaaca	cctggggagga	59700
aaactaaaag	aactaagcga	gtattacttt	tattgttaaa	tcagtttaaa	cttagacgca	59760
gccttatgtg	gttagaagcc	accatatttg	atggtagtct	tccactgaga	tcaccagcca	59820
tcctccaatg	ggggtgacct	agcaagggoc	actcagaaag	accaacgcag	gacgttggtt	59880
aactacacca	ggaactcagt	ttagacctcc	taggatctgc	atatgggttg	gtggtgagta	59940
ggagctcaat	ccctgtggac	agagatctag	aagtgtcttt	taatcctgoc	gtaaggttct	60000
tctacacctt	cacacacttg	ctgaacagtc	actgagcacc	cactcattga	caagctttgt	60060
gggtgggcagt	ggggtgcatg	gtagtaagga	acacattgct	ttcctccgct	ccttactggg	60120
ctgagctgga	ctaatacccc	ccccccccaaa	aaaaaaaaaca	cacggggagc	cttctttctg	60180
gagtgtgtgg	ggctgtgagg	ggaagtgttc	acgggtggagg	gaagctgtgc	aggggagagt	60240
aagagcaagc	agcctgagga	agcaagtctc	aaactctgtg	caggcgggtt	tttccggta	60300
agactcagat	tctcaccaaa	gcttcggcgt	ctgggtggtt	ctcactaagg	aagtctgggg	60360
taaaaatagc	cctgaaggga	cttgattcca	gctacttaca	gggtagtcc	tgccctggtta	60420
agatatatat	atatatatat	atatatatat	atatatatat	atatcccttg	tctgattttt	60480
agcccacacg	caaggatgga	ctgttgagaa	acactggtac	caatactttg	gcagctgctt	60540
cacaaaaact	ccctcttaga	aaatcacctg	ctatgcccag	gctcactggg	agtttaagct	60600
aatggtaag	tgcacgtat	gctcgggcca	cactgtaaag	cctgatgtct	tcccaaaagc	60660
cgtctaagga	acctatctg	ccctcctagt	cttactgcag	ctggcttcca	ggtgaaccaa	60720

gaactgggac	ttatctatgc	actggttacc	aacactaaag	ccaaatgctg	gggacctctg	60780
gcagctgctt	cttgcttagc	ccttgcaagt	ttctgagaac	ctctctacaa	ggtcttcctc	60840
acagccggat	acagccctgat	gccagtcacc	ccccaccatc	accagcagca	gcaggagcaa	60900
cagcagcagg	agcggcagca	gccgccttcc	cagtaaaccac	ttgtcagaac	tctgctgtgc	60960
acccatcacc	tctgggaagg	gagccctaga	gccatacaag	cctccaggtc	tctccagcat	61020
caaggattca	ttctcacaaa	ggagtagctt	taagttaaag	cccttagcca	ctgcctctaa	61080
ccaaaaggg	ctgggctagc	tctgattttt	tgcaaagggg	agcctaccag	ggatgaagcc	61140
ttgtaaaatg	tctgctgggg	aaccagcaat	tcacctttag	gaaagaggcg	tggggatcaa	61200
tctgtctggg	ccccaccca	ccctcgcata	cagaggagga	accaaggtct	cctctgtggg	61260
tgaacaaaat	gggcctgggtg	tacacgctga	agccactctt	acggccaagc	ctcaggctga	61320
caccatgcag	cacacggtgc	taccacaaat	gcactggctc	tcctctgtca	cacacatgca	61380
cacacactca	ccccctccc	cgccccacga	gcctggcgcc	cgcacccccg	ccccgcagcc	61440
cgactcaact	cgcgctgcga	gcccgcgggc	ccagccactt	cactgcgagg	gactgggtgac	61500
tagggatctg	aggcagctca	catttcaaac	ttgctcgcag	gggtgggtgct	ggtgcacgcc	61560
gccgccagag	cgaacgcacg	acccgacgag	tggagctcca	gcctccgggc	gggggcggcg	61620
accaggcccc	tctccctccc	cccgcctcgg	caattaattg	gaagcaaac	ttgtgagagt	61680
gggctcctgg	agcgtgtcgc	cccgaggggg	cctcaggga	ggcgtggcg	gcggttgact	61740
ccgggtgect	cccgcccccg	ccagcgaatc	ttcccaagag	gtcatgctaa	tgagggtccg	61800
cagcggggcc	gggggtggct	ccgcaggcta	aggggcgggg	caggctgggg	acatccagtg	61860
gcaacttggg	tttaaagggc	tttctgaaag	ggttagtggg	gacggagatc	agcagcttgg	61920
catcttactc	ccccagctta	gggggtccct	gtagcccctg	ggattctcgg	aacgcccggg	61980
ccagggtagg	tgaactggcg	cacgtacact	ctgcctccct	gacttcgggg	agttccctgtg	62040
ccccgcagcc	ggcggcggga	gggaagccgg	aggcggctgc	tgtgcacagc	cccgcctctg	62100
ctcccgtgct	tgccgtcttc	ctgacactgc	atcctgtggg	ggccgcggcc	tcttccttcc	62160
agccagtagt	tgcagggggc	cgaccctgct	ttgcccctcc	cactcctctg	ccccataggc	62220
acccctggaa	accattagc	tgtccagccc	aaagaggctc	gatcccctcc	ctcctttgag	62280
ggttctatcc	acctagatca	ctcactaggg	agaaactatt	ttataaactc	ccccaaaaac	62340
ccgcccactc	accagtgaag	gttgtttgaa	tgagctccta	actgcctcaa	ttagtccagg	62400
aggaaaggct	ggtcactcac	cctcaagaaa	gacagccaag	agcggcttta	aattctctgc	62460
atctgcacac	tgatctctcc	agcttgggga	cttgaccccc	tttgcccttg	aggctccttc	62520
ttgtgagcct	ccttcacacg	ccctccagct	atgagctcct	tctgactgg	ccctccagcg	62580
tttctgcttg	cctcgtctgc	ggccacagaa	gtggcaagac	aatcactta	tctagacact	62640
gggctcttac	tcttgttttg	acagaagtgc	ttagcaggct	ctaataccac	ccactgccac	62700
ttgaaatata	acttttggga	tggcattttg	aaatgcagtt	gtcatgggct	ttcccctccc	62760
aggagctggc	taaatggatt	aatttctact	tcataactgg	atttttcttt	ttgcccaga	62820
accagcttct	gcaaaggaaa	ttaattggcc	tctccttctc	ggagcaacct	ccaggcagtg	62880
ctgagggaca	gactgactgc	attctgctgt	gcacacgttt	cagggtgggg	tcactctcat	62940
ctcctgtagc	ataatggctt	ctttgaggac	attcattttac	ccactggaat	atttactgag	63000
acctgcccc	tcacaaacatc	caccacagag	ttttgagact	ccaagaaaat	agatgaaggc	63060
tctcccatcc	ttcccactgc	tcagcatagc	cagctgacag	agcaggacac	tttggcccac	63120
atttcagaag	cacacacgtc	cctaagacct	actttctggg	gtcaggctaa	cttaacaata	63180
tcagggtcca	gtttcgatta	atccaagcac	gaaagcctct	aaataactag	aaccacacac	63240
ccatccctcc	aaagtctctg	acaatgacag	tttacaattc	tcctctgatt	catagggcct	63300
gttcagtggc	caagggttta	cacacacagt	agcagaaaag	actaacctta	caaagatagt	63360
cctggggcag	gagagatggc	tcagtgttta	aaagaggttt	cctgctcttg	cagagggcca	63420
gaattctctc	cctggcaccc	atgtggcagc	tcacaatcat	ctgaaaactc	aggttttagg	63480
aaattcaaca	ccctcttcta	gtccgagggc	accagacaca	caagtggaa	acggacatat	63540
aagcaagcaa	acatatccat	acatgatata	tacatatata	aataaaatat	acatatattt	63600
tgaataacat	atattaagaa	agatcattcc	tgcaggttga	gtgaacattc	aggctggaa	63660
tgagcaaggt	ttacacctta	ggggcaggga	cctgggtggg	gtaatccctt	agaaattata	63720
aagacagctt	cccgttgttt	tgcctcctcg	tctcctaccc	tcttagttct	cctcgggacc	63780
cacttcagaa	gctcctgagt	gggacctga	ggatggaaat	aatattcaag	atacagggtt	63840

ttccaaggta	acccaaaaag	taaataactct	tcactagcat	atttacatac	ttaagaaaac	63900
aaattgtttt	caagcaccca	ttcatcagtc	caaactggcc	ccttttactt	gctaatttct	63960
aggctctctt	ctctggaatc	aaatccctca	aggccctctt	ggtttagcagc	ctcttttttag	64020
tattggagtc	tacagaaatg	ccggcactcc	acacactatc	ttcgtttagaa	gggctttccc	64080
tgactcgctc	caagttccac	atctctaaact	tccaaagact	tgctcaaaaag	cccggggccc	64140
acaggccaaa	ccccacccca	ccccacccca	ccccgcagtg	cttgccttga	taaggatcta	64200
caaaaagagg	cagcagacaa	aggcatcctg	cgactccact	tccagacgct	ctgcagctct	64260
tggagtgacc	tgggcaagcc	ccctcaccgg	cctccctcgg	accccccccc	gggggggggg	64320
aatgacttgg	ggggtagaag	aaaggaagaa	gaaagaaagg	gcgagctgta	gccccatgct	64380
gtggctcctt	gatgaatgtc	tgccaggctc	cggagacctg	actaaggatc	aatagcgggt	64440
ggctttttctc	gcgggggtct	gaactcctgt	cgtgggcctg	agtgaagagg	agccgccaat	64500
aaatacagtg	ctgtggcatg	gctggctggc	tccggagtcg	gggatgcttt	atcctctggc	64560
agtgggggagc	ccgccccctg	aaggaccctc	tagaggaggg	gtgagaaggg	agataatgta	64620
gccaggacac	cacagtccca	agcttggggtc	aaaggactga	cttccttcag	ctcatggatg	64680
agctagaatc	agttccaata	agacaaggga	ccaaggcatc	tacctgggat	gcatgtacca	64740
gggggtcaaaa	gtgggtcact	tcccacttac	agctttttct	ttttcttttt	tcttttggtta	64800
gtgatattgt	aagtctaggg	gcttcgaagg	ccatcaggaa	gttaggaaga	aaggaaggaa	64860
ggctaactaa	gtgggcaggc	aggcctgtca	tgcacaagcc	aaactctcaa	gatgaggaga	64920
gggagaacaa	ccagccttga	tgtggctcag	attctgggca	ttgggttctg	agtcccagag	64980
aagtcccaga	cttctaacc	aggcagtttg	ctgactcaga	gggattgaca	agaattctga	65040
tgacctggag	agatgtcact	tctgtgtact	caggcactaa	ctgggaaggt	agggttaaca	65100
gggagatggc	aagtgggtgt	gtacctggtc	gttgggaagc	gtggagaaga	acaagggggg	65160
acagaaagga	atgctgctcc	ggagcaccat	aaagagactg	ggtcacaggg	caccagacat	65220
acagacagct	aaggatcaaa	tgacaacact	gagtgtgagt	cacctccagg	agtgggctct	65280
gcctctggga	accaccaatc	ctggggcttc	tgtctccttc	tgcattggta	ggacacaaaag	65340
gacatccttg	tagcactgtt	tcccctgcca	ttctcctttc	tcagccctga	tgagtctctc	65400
ttactcttga	agagggaagg	cacaggcaat	gtttggctcg	tgaccagtac	ggagccataa	65460
aggtcgccta	taccagggac	acagtgcagg	gccaccaggc	tgggctcccc	ttctattcct	65520
actgacacct	ggccattgaa	tgcttgctgg	ctgctgtatg	ggtttcatca	tgctctgagc	65580
actaacttat	agtatcctta	ccacctctt	gtgtcaggag	ttattatgtg	ccacatggaa	65640
ggtaaaatgg	ggatagactg	accaggtgaa	gtttgctaag	tatctaagct	acttctcagc	65700
cttgatacat	cctcagcatg	ctgcacatta	tactgtctgg	cacgggatgc	ctagactcag	65760
cactgatgg	gcccacctgg	gccacacagc	cagcacagtg	tgcagaacte	ttatatagct	65820
cctagagtat	ctcttttttaa	actccaactt	gctattttgg	ctattttgctg	ttgacagagg	65880
cagctcgacc	tgagatgaca	cagggaaggag	acctcattac	ctccctcctc	ccattatagt	65940
atcccctgcc	ccttcoggga	atcaccccc	cccgcccccac	ccccagcacg	gctcctcctc	66000
ccagaccag	gcagccttct	cagaacctg	catttggtctc	ctgcccacat	cctataatca	66060
tttcattttg	aaaacaacac	cagccccctg	tccctcacct	ccactcagca	tgcccgagaa	66120
accctacaat	ttccaggtta	ttggagatcc	aggaaaagctt	tctgcagggc	aggcagtggg	66180
ggaaggggga	gtgaggtggg	catttaggag	ctggctcaga	atggccctgt	tagtcttagg	66240
gaattgcttg	ccccctacct	gctcagctgg	caaggggtcc	aggctaaggc	tctataactg	66300
tgaggacccc	ctcagtagca	ctgatgtgta	tggagagcct	ggcctgcaag	ggcaggagct	66360
gcccccaggg	ctggaggaga	agcaagaatc	gagttgctgt	gttccctggac	tccctgaggc	66420
actcaggagg	cagagggtta	agagccaaa	actagacatg	ctagctgggt	tttcagaatc	66480
tactggactt	caaatgagtg	agaacaccca	acagcaggtc	ctatagttaa	aaaccccaact	66540
aagacagttg	agatagggtg	agaagtcctg	gtattggggg	aaattgtatg	cttccccaat	66600
tgttgaagtc	cctaggacct	gtgaaggaaa	ccctatttag	aaacagcatt	gotgaagatc	66660
aagttaagat	gaggtcatga	gtgtggggcc	tggtcagca	tggctgggtg	ccttgagagc	66720
at ttgggaca	tttgatata	acaagcagac	ggtacccctt	tcaaggagga	gtgagaagga	66780
cagtgagagc	tccagagcct	gcagtggttt	tgtagcacca	gctaagacac	ttctagcagc	66840
ttggaggagc	cctccttccc	tggtacctac	ataggagctt	gacaggaccc	acactttggg	66900
tttgggtctt	ttgggcccc	aaactatgag	atagttaatg	cacaaccatta	tggtacatgt	66960

gttggggccct	ttatttagtgg	ttgcccagaa	aactaccatg	aggtgatccc	tttgaaatct	67020
aagtcacagc	ccatcatgat	tccagagggt	cttgetgact	cggtectgat	tatggcttat	67080
gatgtgggtc	tcagcttctg	tggccagtca	ctgctctaaa	tccatttcct	tagtgectct	67140
gttgaccctg	ctgcagcctg	actccagagt	tagccatcct	gacttggctc	cctcttgcat	67200
ggtctccctt	cgctgaaagt	ccttcctcag	ccacactgtt	ccaagctata	atccttccca	67260
cctcaccocg	tgcttcttct	ctatcttagc	tttgccacac	tgatgtttca	agtattttatt	67320
ttgtttactt	ctgcctctct	ggctaaaagg	cgggatcttt	gtcaactgga	atccttgtct	67380
gatacacgct	gtttgaacag	catctatgtg	tccttacaag	ataataaata	ctctttgtat	67440
aaaggagaca	aatagctacc	tgaattaatg	aaggagcgaa	gaaatgagtg	agtgtacact	67500
ggctaatac	aggctccaga	gatctgcatg	tcctggctac	ctgtgcctgc	ctatccaggg	67560
actaggttgc	cagcctgctg	tctggcagaa	cacaagctat	ttcccaggaa	gtctattttga	67620
acaggaagct	cagactggcc	aacaaagggg	ccgggaagta	gtgggtacaa	gccacatgag	67680
tcaggcctct	aatgaatctt	tccccattgc	tagagttgct	tttgaaggga	ggggtacaga	67740
ggcagctgag	acattcaaa	cacagcagtc	ctgggagagg	ggctgggggg	agggtattgc	67800
ttctcccagg	acacaggcct	gatgaagggt	tccagatggc	ttcaggccta	gaccacata	67860
agttccttga	atttggaat	gcaatttcct	ttcttgccag	agcagtctgt	ctgtctgtct	67920
gttgtctgtc	tgcttggtgt	actgtacact	tcccagctct	ttcgaggcag	cctggggaa	67980
agcacctact	ttgcacagga	caaaagttag	gttcagatag	ggaaaggact	ggatgtgaca	68040
atgcacacca	gccagggtgg	ggaccaggca	gggctgcaac	ccaggccccc	tagcagctca	68100
tctttttttt	tttctttctt	tctttttttt	ttggtttttt	aagacagggt	ttctctgtgt	68160
agagaggctg	tcctgaatac	tcactttgta	gaccaggctg	gccttgaact	cagaaatccg	68220
cctgcctctg	tctcctgaga	gttgggatta	aaggcgtggg	ccaccacaca	gacaactcgg	68280
caggcccctg	agctttgcca	ggaaactgct	acctgggtgc	atcttccccc	cttctccctg	68340
tctgggggtga	gaaggagctc	tccgggctgg	ctgcctgctt	cttatcggtg	ccatttccca	68400
cagcggcttc	ttcctctccc	cagtgtgggt	ccagatgtcc	cccacctcca	agggtttctg	68460
acgtgagcag	acaggccatg	caggaatgtc	tgtctgggca	aaatctgaag	gtggcccgcca	68520
gggcggggcg	ccgggttagga	ggctcgatgt	tgaatcagg	ctccttgga	ctgagctcag	68580
ctgagcagca	gatgtctgac	agggagaaa	ctctgtgggc	ctgctggggg	accaagggca	68640
ggtcgccgtc	cttttctggg	ccctggtttc	cttccatcac	cagggaagtc	agctagtgtg	68700
gattctgtac	ctttctttgt	gatgaagggc	actggcttcc	ttaagtctag	ctgggttaagg	68760
tcaccattgg	ggtgacctg	ctcatgccct	gggaagggtg	catggggcca	ggcaagagac	68820
tcccaataca	catcgtgctg	tcaagaccaa	gaagctgcct	ctaaaggajc	caacatgcca	68880
cacttctttg	cctttccctt	tcccggagct	tattaatgag	gttctaattc	tcttagacca	68940
ggtactccat	aaaggcagca	aagcagctct	atctattttg	ttcacttctg	catccttgat	69000
gattttgtgc	ctggaccaag	acaggtaacc	gacaaatgat	tatcgaaaaga	ctaattggaga	69060
gotaccaact	tattagttta	ctggtaggat	gtcagctota	ccctttactg	tctatattct	69120
acgaactaat	tccaataaac	gacacgtatt	attttttagga	ttaaaaatgc	ataaccaact	69180
ttcatttttaa	acttagtaga	atctaaagta	aagactcccc	tccccccacc	ttttctgaaa	69240
agtgtatat	accgtattca	taaccagggt	atcaagcatg	aaacaatttc	ttagcaacca	69300
cagactttca	gaagcctggc	gtattggggg	ctcagggtga	ggtaaggcca	gttgaaatgc	69360
tgaagagcta	ccctctctct	ctcccagcat	gtttggcttc	caccccagta	cagtcttgct	69420
cccgctctcta	aactgtattc	tctgcctctg	gccttagctt	gctctccctg	gcaaaggctt	69480
ctaaaaggca	aagctgaaca	tgtcacttgt	gtgaacatca	acottgcttc	ctacagttag	69540
caggacccaag	ttccaagggt	tagcatctta	gactgcacat	catggcctca	agtgatgctg	69600
tccttggctt	ggatggcttc	tgtctgggtc	atgctgtggt	gcctgtgtgt	acggacctga	69660
gtttgccttc	tttattaatg	ttactgtctt	ccctaagctg	ctgttaacat	gctgggctgc	69720
agccagctgc	caacatggag	ttgggaagaa	acctgttggc	catgcaggag	tggcagggcc	69780
gtggaggtct	tcagctctct	gtccaccaag	ctctgggatg	ttccaggagt	cgagggaagaa	69840
taagtctctg	ccagtatctc	aggctgtcaa	agaggctcca	ttctgtgtcc	acctatggcat	69900
gaggatgcta	ttgtttgggt	gctgtgtccc	tctagaaaatc	tgctacctat	taagagaacta	69960
tgaagaggtg	gggcctgtgg	gaggtgagaa	gggtgtgagg	ctataccctc	gggaaggaga	70020
tgatttcctt	gatgaagtgg	cttgaagaag	ccctgtcact	cctcctgtca	ggaaaaggat	70080

gcaggaagaa	ggtgccagca	gatatcaagg	acccccccac	caggcccata	tctgctagca	70140
ttttgatctt	gtccttgcca	gcctctgtgc	tgtgagctgt	agattttctgt	tgtctataat	70200
gcgctcagat	cgatgtgttt	tgtggtagca	tgttgcgcat	cacctgctct	ctgcttcggt	70260
ttactcagt	cacgcgcagt	gtggcagccc	tgggttccaa	gccactgctg	ctcaatgctc	70320
tggagcacag	agagcccaca	cccaccttgg	gttccagaca	gacctgggag	catggtatgt	70380
aattgaattt	ggcctaatta	actcattgag	ctgaggaaca	actattactg	acagagccct	70440
gggtgtcagc	ggaggctgga	aatcaggagc	caagagagct	cccacatcct	cagaaccctg	70500
aactcctcag	atgctaggag	ccccagaggt	aggtagcact	gatcctgtca	cacaaaagaa	70560
gcagctcgag	gctctgagt	acttagtaga	gattgaagcc	ctcattctct	gtggccaggg	70620
cctctcgacc	atgcactctc	ctctgcctgg	gatgtcattc	tcacacactt	ctcagagcag	70680
ctatgcttat	gggggcatcc	aaacaagggt	tactttctca	gccgagcctt	cctagggttct	70740
cagccatgag	ctagctgcct	tcactgtcct	ttgcagaggc	ctcatgctgt	agggggagga	70800
gtgctcagct	cacagtgttc	actgtccagc	acaggctcag	gcacacaggc	ctggaagggt	70860
gggggaggcc	ctgcttcaag	gcctagagct	gggggcttca	gatgagtcct	caacttgagg	70920
tgaggaaaaa	aaggctcagg	gtcctacatt	tgcaaaaaaa	aaaaaaaaaa	aaaagctaga	70980
actttatggg	tctgggcctg	cctcagcctc	cgtgccctct	ccctagggtca	agggaaagat	71040
caggctgact	taagcaaaga	caagcctctg	cgtcccaagg	tatatggtat	atggtatatg	71100
gtatatggta	tatggtatat	agtatatggg	agttcagttc	agtcaatctg	agttggtggc	71160
ccacttccat	aggtcaggaa	gcagcgctcc	tgcccacttc	aacctcctgg	ctgtccccag	71220
tctttctaggg	atccctcttc	ctctttcagg	gacacagcct	gagctgggac	tcaagtgtgc	71280
ctaggtgtga	gttctagtcc	caccatttgc	tacttgaggg	atgtccagca	tgtcactcac	71340
ctccctgagt	cccagctgaa	gatttctgca	aggagtgaga	gggagaaaga	gtgtgtcatg	71400
cttgcccaga	gtccacagca	tgtctgaagc	tcaaagcctc	tgctccccag	cgttagtca	71460
gtgcacgggg	cgagcagtgc	ctgtctaaag	tgtctgggtac	cagaagtatc	tcaaatttct	71520
aggttcagga	gatagtaaaa	tatgtgcata	tacatatcct	gggaaggaaa	cccaggtcta	71580
acagtaaaatt	aatttcccaa	tcacaggcac	cttatgtgca	aggagtctga	aggaaaaatt	71640
taacaacaca	gtgtacttac	tgttaaaaat	gtatgcaaca	ggggcttata	gagatcaggc	71700
taacctcagg	gtggctgagg	gtgacactgt	tttcccacct	ctactgtctg	agtgtctagga	71760
tggcaggtgt	gtgccgccaa	gtttggtttt	atgaaatgct	gtggttcaaa	gccaggcaag	71820
cgttctacca	accaaaccac	acctgggtcc	tgcattgggt	cttgactgtg	acctgtctta	71880
cggagctggg	agtggaaatt	ttcatccttg	agtactcaac	tgccaggcac	ggtgggggaag	71940
acctgtaatc	ccagccctct	ggaagggggg	attaggagga	ccaggagggg	tttgagggca	72000
gcctggattg	tatgaaatct	tggcttaaga	aaactttgaaa	gcagacaaaa	caattccctt	72060
aaaagacttg	tgattgttac	caggggcagg	aagagcaatg	gtgacacaca	ttgtatgggt	72120
tcagtctgga	ccttcaaggg	tcaaggatgc	tgagttagacc	atgttccagt	ctgtgtctgt	72180
ctcttctcag	atctgacagg	agatggggca	gtgaccttca	caaaactctga	actctaaccac	72240
tcacatcaga	gagcaggaa	aaaagcagg	agcccaaggc	catcacatac	actctgtgtc	72300
atctccagca	agacactgct	cttctgtctc	acctacctgt	caaccagggc	ctctctcttc	72360
ataaggggtt	ctttctagt	ggtggaggac	agtatcctgt	acctactctg	tcttgggaaa	72420
ggaagcacag	agtactcata	taacccccgg	gagaaggggg	tcatagttat	atttatattac	72480
atgttaaatt	atattataca	ttatattaga	ggaaatgcag	agtggtaacg	gtagtcttcc	72540
taagattcac	agcagcaaag	gctggggctg	tgtgacctgg	tacaatgtgt	gtttagtatg	72600
tttgaggctc	taggtttgaa	cttcagccac	aataagtaga	taaataaagc	ctcagctcaa	72660
aagcttagaa	cagcagccac	tgttatgagg	tctcccccca	aatggatcat	ccttgtccca	72720
tctttgttac	tcaaatttaa	gtccaatggc	tgcacactgc	tcacagagaa	tcaacctcca	72780
actacactgg	aagggtcagg	acaaggcttc	agataagatg	gctggcaaca	agagaaatgt	72840
acactttctt	gtagaatctg	aagtccctgg	ccccaatccc	cagcacactc	tggaaccttg	72900
atttgagacc	ccatctcttg	gtaacctgct	tagcttatga	gaccccatct	ttaggtaatc	72960
tgttagctt	agtaacagga	gtccacata	gagctaaagg	gtgtctccct	ttcaagggac	73020
gagtctggca	ccaaaagctt	aaaactaaat	gtggctccat	ttgggtccca	aatatctctg	73080
ggctcagctc	cttcttccat	attcaagggt	acagactctc	atctctctct	ttctctccat	73140
tagcatagga	gaggcagaca	catggtctag	cctcagaagg	ggaataactgg	aatctctctc	73200

caggaatcac	aaagttgcct	ctgttcacat	aaggggactc	agggatgcct	gggcatacctc	73260
actccctggc	ctctgggagg	gagtgattcc	aaacatctgg	ggcacgtctg	agaggcgatg	73320
aggaccataa	aaaaaccttg	aggaaacagg	actgtatggg	agctatgcta	tgtctatggg	73380
tgagggcatt	caggaatggg	cagagctaaa	cagcagtggg	cttcccaggg	ataggtttag	73440
tcagagaaca	agatgtgatg	gggacttcaa	gttgggggtac	agctgagcca	gcagggccag	73500
ggtggcagag	agctgagatc	cctgggggta	cagagaaaaga	caaagaagat	gggcagatta	73560
ggatggggga	ggggcagagg	tggaaaagga	aatagagact	aaaagagggc	ggggaatgga	73620
gggagggaga	gagaggaggg	ctctcaggaa	ggaagcctca	ggccccagga	aatggagcct	73680
ccctctggca	ctccaaccgg	agagtagcat	accctggagg	atgtggtcac	ctagttttgt	73740
cttgacctag	cctgtctcca	gccatgtgac	cctgagcctt	ggactttact	cctgtgagct	73800
tcagtttctt	caaccagaga	aggaaagcac	tccattgcga	gctgctagat	tgaaaaggca	73860
gagagggctg	tgttttcccc	acctccacaa	gcgtctcatg	ccttgccctt	tggttccaac	73920
ctagtctagg	ttagctgctt	ctcgtcggat	ggctggcagg	agcttcgccca	tgccccctaa	73980
ctctatcctc	ccagaatgtg	gctctcctga	cactgtattc	cccctaagca	cgccccctcc	74040
tcaccccagt	gtgtgtgctc	tttgaaggta	cagacaatct	gggggcacac	aggtgcttac	74100
ggtgcagggg	tgaattcagc	ttcttttccg	cagcaagttt	ctgctgacta	taattatgag	74160
gcagtttgaa	aggcaggctc	ctagtaattc	ctgtttcctg	ccagagacaa	tagtgtctct	74220
tcattccaaa	caggtgagac	tgggtcctct	ggaattccct	gcaaggagtc	cagccccctg	74280
gcagtgttcc	ccagctggcc	agcctcaaca	agccaccatg	tccctgggaa	ggtaatgagg	74340
catctgtgaa	tgacaaacca	tcggccagag	agctctgttg	ttgcagcaaa	ggcaactgcc	74400
atagccaaga	tggccccgct	cccttccagc	cacctgcctg	gcccgccacc	ggtccccaga	74460
gaggaaatta	tcactatgca	gagcttccac	agcaaaacac	aaacacctgg	ttgcctgggc	74520
agcaccttgc	caggggtgaca	agatccagat	ggtcccttga	gagatagtag	ggttgccacg	74580
gaaacagaat	cgctgccgct	ctagccgaga	gatctggatt	ctagatgtac	tggaccccaa	74640
gctgagagaa	ttgaggtgat	tttcataaag	ctacatcagt	aggtttccag	cttgaaccac	74700
aaagcaaagt	cctagccagt	gttgtaagtt	ataacttata	agttttataag	tgatcggtag	74760
tctggtgtcc	agtgttttgg	gagatgcccc	cttccgtggc	ataattcgta	cctaaagtct	74820
ggggcttcag	gataaggccg	gggtcaggaa	gatggtgggg	ctaggctgct	gcatacagctt	74880
gacctgttag	cccagagctg	acctctgcc	ttggttttct	tcactttgtt	ttctcattct	74940
gagctttaag	tggcctatga	acaagcctag	ctcagaagcc	actgggacct	gatgaagatc	75000
accggaaaagt	ggcaaaagag	ggcctatggt	cctggggccag	catctagtgt	ctaggactta	75060
gtttctgagc	atcactgtgc	acatacagag	ctgggcagct	cagagaaggc	agaggtgccca	75120
cgggggcact	tcctcctaga	cacagtgaact	gatcccaggg	aggagaaaag	aagaggtgga	75180
gccaggggag	aggagagaga	gtgctgtgcc	tggagtcagc	tggctaaaagc	tataccctct	75240
tctgcactgg	cttcttctct	ctgttcttca	gttgtaaggg	actacctgtg	ctgagtgccca	75300
ccccatccc	ctccatcctc	ccttgccctg	ttatccgttc	gtccacttgc	cgagtcctctg	75360
caatgggttg	ggtgggattg	tgatgateag	cccgaagatt	aataaaaagca	acctgcacag	75420
caccagacaa	gagctccatg	aatgtcactg	cctccttjct	tccaatccta	agttctgagg	75480
atgttggtgg	acacctgtgg	acacagctct	gcctcccaca	ccaggctcag	cctcctgggtc	75540
atgaagagag	gagatacaca	ctgaacttca	tggaaatccg	tagcccaggc	ctctctggac	75600
ttggtgtcat	agggagtgcc	cactcttatg	cctgggtatt	agtccccctg	acctccagat	75660
gggtgaagct	agcattaaat	tgcaaccgat	gcaaacaggc	cctttjctct	tcagccccca	75720
gttttggtgt	ccccctaagg	atgctaggtta	cccagggaga	ctggatttca	gcatactggg	75780
taaatgtgt	aacacatagc	catcaccaaa	caataaggct	ttgtttctaa	catctgtgtc	75840
agactgatca	gctcaaaaac	tatgacctca	aatacacaca	aaggttggtg	acttttccaa	75900
ggttacacag	ttagtaagta	gggggctggc	tggcattcag	agccaggcgg	actgcttctg	75960
agcctgcacg	tttaactgtt	tctcttctct	ctgcactagt	ttagtaattg	ttagagttct	76020
tgacgtcaat	tagggccagc	ccagactctc	tgtgcctcac	cctttgagta	tcaaaggacc	76080
ccaaagatgg	gaaggtgtct	aaacttacagc	agagacaaaag	tgcaggccac	atggatagct	76140
tgagtcatta	gcattttttta	ttgtttatta	tttgtttgtg	tagcccaggc	tggccttgaa	76200
cttattatcc	tccagctggc	ccatatctct	tgttctttac	atttatggta	tttctttgtg	76260
tctatgtgag	ggtgtgtaca	cacatacatg	tgggggtcag	aggacgacat	gcagcagttg	76320

gtttttctcca	tgtaccatgt	cggtctccagg	gatggaactc	aggttgctag	gcttagtgac	76380
aggtaccttt	atccaactag	tcatcatgcc	ttataaccac	tgtccgctcc	ctcgcctcca	76440
gacctgagtg	tgtgtgtgtc	tgtctgtctg	tctgtctgtc	tgtctctagg	atctcactat	76500
gtagccctgc	tgacctgaaa	ctctcttcac	agatcaagct	ggtctcaaac	tcagagattt	76560
gcttctgcct	cctgagagca	gggttataga	tttattttgt	ttttggttct	tctcaacagg	76620
gtgtcactat	atagatctgg	ctgtcctgga	actcactgtg	tagaccaggc	tggctctcatg	76680
gatctgcctg	cctctgcctc	ctgagtgtg	ggattaacca	tgtctgccac	catttttttt	76740
ttaaatctct	ctgtctctgt	ctctctttct	ttctgtataa	tatgtgtggt	tatatgtgtg	76800
taaccataac	atgcatgtta	tagcacacac	atggagggtca	gagaacattc	ttaaatgggtg	76860
ctctttgcct	ttcacctcat	ttgagaaaact	gcaatatcac	aagcttccag	gttactcttg	76920
tcttgatctc	ccatcttgta	ccaggaacac	ttggattaca	gacaagtgtt	gctctgctca	76980
tctgtatgtg	gctgctggga	attagaattc	aggttttcat	tttctcttag	caagtgtatac	77040
ttcaggagcc	atctcctaaa	cctccctccc	tttttttttt	ttttaaataa	agattttattt	77100
attattgtac	actgtagctg	tcctcagaca	ctccagaaga	agggcgccacc	ttctcctgat	77160
cttgttacgg	atggtttgtg	gccaccatat	ggttgctggg	aattgaactc	atgaaccttca	77220
gaagagcagt	cagtgttctt	aaccgctgag	ccatctctcc	agccccaatc	tcctctccttt	77280
ttaagacaag	gtttcataca	accccgggcca	accccgggctg	gcctcaatca	agtattttact	77340
ttgctgagac	tggtccttgaa	ctcctgacct	tcctgcatta	gcateccaaa	ggctgggatt	77400
acaagtattc	actaccacac	ccaacagata	ttgcttgagt	cacagatctg	tctcacatta	77460
gttaaccttt	ctcaactgca	accggctcac	ctacaccagg	caatgggtgc	gaaccgctgg	77520
ggtcaggaca	agggatgaat	ggcgactgcc	cactgatcta	aggtttgctg	tgttgtggct	77580
gaaaggggat	ataaactaga	ttttctccta	atccagatgc	cctttcctga	cctacctjg	77640
ctgtaaatct	aaacaggcaa	gatagataat	aactgctgat	tcttgtctgt	ctcttcocaga	77700
aggtatttac	gagactgtcg	gcttgcaaca	ctcggagaaa	aagtctccat	actaacttgc	77760
tcactgcctg	gcaagccctg	gatccatttc	tcctcctgt	cctggagtc	ctgagaatcc	77820
ctcctctcgg	tgagaatgca	aagcctgcct	taagatcaaa	gccctggctt	acttgatcct	77880
ctcaactgct	cttccctttt	agcaactattg	gctgtgggtt	gctttattaa	gctctacctc	77940
cttgaggtag	cagggaaacat	cagagggggg	ctgtttggca	ggacctctgt	cctgagaaca	78000
cctttgtgtt	gggaagctgg	gggtgggtat	agaaaggagt	cacccatagg	gtgacagtgc	78060
ttttggttct	gctttctcag	agcaatgttc	tagcttcttg	ggccctttac	atcctgcaga	78120
gaagcaaaaga	tggtcctggct	ggagtctctg	tcttacttct	gtccctgata	cccagagaa	78180
ttgttttttg	cttcaagcct	gccttgggga	ttcttgagg	gggacctgca	gtctggtaaa	78240
cagctgtggt	gggtgtgggt	ctccttctgt	caccacacaga	gtagaagcat	tcattttattt	78300
caaaacctcaa	tagcttgggt	gctctctctc	tctctgtgtc	tctgtctctc	tctctgcate	78360
ttcagcctgt	gctttcagtg	ggacctggac	tggaatccca	tcagtctttc	ctgtttggta	78420
ttttctcatgc	tgagcagcac	cgagcatccc	ctgactcttc	ctccctcttg	cacctgtgaa	78480
atgggtgcaga	tgccttagat	gggtgggggaa	cttgaggctg	gatggaataa	gtgtccatca	78540
tcacacaggtc	atgacccaca	ggatggctca	cagggctcca	ggccccacac	agaaaaactat	78600
tgttcaaacgg	agactcagga	agtggctttc	atcgtcttga	cagttctctga	atgtggcaag	78660
gggtggctac	tctactggga	taagttagttc	tctaggcagt	ggcatctagt	tcttttttta	78720
caacccctctg	tgtagaagcc	aaatgaataa	agcaaaaactc	tcagtatgca	gtcataattt	78780
gtctagcctg	gagcctgtcc	aggagatgag	aaggctgcag	gggactgtgg	cagggacagt	78840
ccacagctag	gcacogtgag	cgcttattct	gctctctgoc	acgcagcaca	cactgaacct	78900
gcacgtgggt	tttgccctca	ggcagagcta	cctgtgtgtt	ggaaggctag	ccatccctct	78960
ccatccctca	ccacagacag	ccctcaagta	aggatggaga	agggactaag	cgatgggtgac	79020
taagtacttc	ttctgtgggt	ctcactggt	gagagttagg	gggtgagttaa	cagagccgca	79080
ggcaggtgta	gcccacaggag	cccatggcac	ataccatgcc	taacagccac	acttgcctgc	79140
ggtctctccc	tctcaacccat	gctcctaact	ctctacagtt	tagctggagc	cctgaacctc	79200
cccacacac	acatccctgga	tccttccccc	tctactcgca	ggcgccagtg	cctggacttc	79260
tatgcagaaa	gctcaagccc	tgcacatct	ggtagggtca	cagctgcaga	tgtagacacc	79320
tcttacogtg	ggtggatgac	ctcatccccc	ccctatccccc	ttcagcctct	tgggttggat	79380
gggcttagaa	agtagacacc	tggctgagcc	ccaggcagcc	ctggccttgc	acaagtctct	79440

ctcgtagggc	ggggagagat	gagctaattc	tgtgagaggc	aggaagaatg	gccttctgac	79500
aagaagaggc	ctgtccccctc	tggctcttgg	ggcactattg	caagctgcct	gtatagagaa	79560
acagctgagc	cgcctaggag	ttgcttctgt	tctgaacacc	cctaacaact	ccaatgagct	79620
ccgaaggaat	agaggggaagg	gtgggaacac	accacacctc	tttgtagtgt	atagatcttg	79680
taagtcaata	ttttgggaca	gtgcttattt	tctgtgccta	gtgtactcaa	gggcagcttc	79740
tgtacctgac	aactctaaaa	ctaactaact	aactaactaa	ctaactaact	aactaactct	79800
ctctctcttt	cacacacacg	catacacaca	cacttacatg	ctttctccct	gtctctgcta	79860
cctctgtctc	tgtctctctc	tctcactctc	tcacacacac	attcctaaat	aaataaaaaac	79920
aatctgtctca	gtctatatag	tgctacttat	acagatgttt	tgagggctga	ccacttagtg	79980
ttggacggcc	attcgggtatg	ctcttccttg	gtaagctggt	tgggtgtttt	aaaagggttaa	80040
cctgacgaca	tcccaggcat	tcccacatgg	cccttgtttt	tagtggccac	tgtggccatg	80100
gagaaaactca	gccctttccc	tgagtgcaat	gctcttccca	catctgcctg	ctttctaaca	80160
cagctctgcc	tcttctccaa	agtgaggttt	taataccctg	gggatcatcc	aactgccttc	80220
ccccccagtt	ccttagcctg	ggaatgctgg	gccacaaagt	ttcctccac	tggctcctct	80280
tgttgaagag	cagagcaagg	ttacaggagc	ccatggcaca	gccctcagcg	agatgggagt	80340
tgggggaacc	agggtcattg	cccagtcctt	cctgggtcac	tcaggaggag	ggatagcttc	80400
ctggggccca	aactggactc	gctttcaagc	aaattctgtc	actagcactg	agaactatag	80460
ggctggagtc	tgtctgtccc	tctcagagcc	tcgatttcc	cctctgtaaa	tgggtgtgct	80520
aacaacagag	ccccagtgac	ctctcccatg	gcacagagaa	cacaggtttt	ggccacaaca	80580
catatctgat	ggttagtcag	ttcccacagg	ctggcagtaa	aatccagagc	catttccatg	80640
ggatctggcc	tgggaggggc	agaaggccct	gcagaaggaa	ggaagccaag	ccctccccc	80700
cagcccagct	ctgcagagtt	cacatggggg	tgggggtggg	gatgggtgtcc	aggagggaagt	80760
ctgtcccctg	gccttgagaa	ggtgccccag	cctgccaggc	aggctgggtg	ttcaaggaca	80820
aggccttgcc	ttcctgctat	ctctggggga	actggcagcc	actaaccaat	cccttgcaat	80880
ctgcacccac	caatcctgcc	tgctcgtctg	gcagccgaga	gccgtttttc	acggggagct	80940
gcacacagct	ttgtcttaga	gagacagctc	tggcggtg	cctggaatgg	ggctatttgt	81000
cctccatgct	gaaggggaagg	cagctgaatg	ctctgttggg	gtgggcagag	gcagagaggg	81060
tggagaaaagg	ctatggggga	gggtgaaggt	agagatagca	gccacgacac	tatgagagac	81120
cagaagtgtc	gtccaccacg	gaggtgtctc	agagtcacca	tgcagctcgg	tgagtgcaaa	81180
aaaaaacctt	gtttccacag	caatgggaca	ctggtatatg	accggccttc	cctagtgtaa	81240
agagccctgg	ctggtagaag	ttgaaatgac	ctgaactggt	ttgggtgcct	ttgtcccac	81300
ccagcccccac	gacaaattaa	ctacggggct	gccacactag	tgcctgtajaa	ggccccattc	81360
cagcccccctat	ccctgaactg	agagctctag	agtgaagccc	agtatctctt	aagagcctct	81420
tccacagatc	acaggccagag	agaggcaagg	catgtctcag	tgtctccact	aagaccagct	81480
gacatctgac	aggcacatga	ctcattaggg	aaacagagca	ggcatgcac	tggggactta	81540
aagccagcaa	gcgacattat	ttccactccc	gttctgggac	ctgggtgct	gtactggaag	81600
gtgtgcttag	aacagaggtc	agaggtcaga	gaacccagta	gacttttaacc	atcttggggga	81660
tgcagaccca	aggtttccat	tcaaaaggatg	cagaacatct	gcgtgatggg	gctactccac	81720
gaagagcaag	taagtgcaca	taactaacag	gcattgtccta	aaaccacaca	gcagtcccac	81780
gtccacagcc	agctctgggc	agcctggctg	tgttaagatt	ggcaaacacc	ctctgcctgt	81840
cccacttga	atcattctct	tgcctcctgt	ggtcccttct	ccaaaagctt	ggctgggtgc	81900
tgtcaggatg	gcctgggtat	tcttgatgct	tcccacagta	gttgggtgct	tattctacca	81960
atagtccctt	taaaccaccc	aagcatccaa	gcattggcta	tgcagggag	aagaaagaag	82020
acaaaaaaaa	aaaaaaaaaa	aaaaagcagc	tggcaccccc	acctgtgccc	cagccccatt	82080
atggatagct	tggggggcat	cttcccttcc	tttgggtccc	gggtgcttta	cctcttgggc	82140
tctgacattc	tctattctgc	tatttcaaca	tgtgctggct	gctcagaggg	tcagctgagg	82200
ctacatagac	ctattcaagg	atagacacca	ggggaggcat	gcaggcaact	cttggggacc	82260
ctgggacatg	ggactgccc	ggtttctctc	tcccattgtg	gctgaacaga	aggctgaacc	82320
actgagttag	cgcacaagag	gctgacatta	cagtacagcc	tgcacaagta	ctctgggtgc	82380
gcattgggtg	gtggaggggg	ctgatgggca	ttgctacagc	cttggaggag	agcctgggat	82440
gtgtcaggtg	ctgggggctg	ggcaggtgac	cttctatctc	ggaaggggtg	gggggtgtgg	82500
gaggggtgag	cgggcctctc	aggagcctca	agatgaggat	gcaagtgcac	gtgcgcacgc	82560

gtgctcctgc	tcccgtgcgc	gcagaggcta	aaggctgcag	cagaacaaag	agttgggggc	82620
tgggcatcag	agggccccac	gtggaggcgg	ctgcctgggc	ggcttgctgt	agtgtctggg	82680
ctgtgctcag	ctctgcattc	cgtctctgtc	tctctcattt	tcgtgccata	cagtgtctgcc	82740
cccaggcctg	agcctgctca	ccgtcaccac	cctgtcact	gccacaacca	cgcacacagc	82800
ccaactcttt	ggtagcattc	ttgacaaagc	atctcccctc	acagcatgat	ctcattgcag	82860
ggccttctca	ggccccagcc	tggcctcctg	acaggcgaga	cagaaggcag	aaggggtggga	82920
gaggcgccca	tagatgcagc	tagttgcgcg	tgcacacact	gctcagccat	tcgtaacag	82980
tcatacacca	cccccagaac	ccacacacat	ctgtgaacac	ctataggtct	ctgtgcactg	83040
aaacccctcc	accatcacag	gactcctcag	gtacatgtgt	tcatactcaa	cagtgcagaca	83100
taccaggcat	gagcatacac	gagtatgcaa	acagacagac	agacatgtgc	atgtgcatga	83160
catacagcca	cacacacaga	gatgcagacc	ttgtacacac	atacccatac	agtcagacat	83220
accaggcatg	aacatatatg	atcatgcaaa	cacacatata	tacatacata	tacacattac	83280
atacatatgt	acataaatac	acacataata	caatgtacac	atgcatggcc	acacacagac	83340
catgtacata	cccacacagc	cagaaatacc	aggcatgaat	acacagggag	atggccttga	83400
acacacttat	agcactccac	actcacaatg	cacacatgca	cgatacttat	agcactcgac	83460
actcacaatg	cacacaggca	cgatccacag	ccacgagacg	cacatacttc	acataaagac	83520
acacatgcat	gcacagccat	acacatgtag	agccacatgt	acccagtgtg	gggttaaagt	83580
ctgagagcaa	ggaaactcgg	aaagtccacag	aaagtcaagg	aagatagata	tggccaagaa	83640
taatgaggaa	gggacagtca	gcagaggccc	tcaggggagga	aggacagcaa	cactgcacag	83700
gcaactagac	aaagtggagt	ctaggcgaat	ggggcagacg	gggggggggg	gagcagctgg	83760
ggtgccatag	tctctgagca	cagagtgccca	ggaccaaggc	ctcttgggag	acttaggaaa	83820
gccatgtgca	ccagaagggc	aggttacatc	tggtcatgga	cccacttata	cacagagcta	83880
agggggagtg	atgtgcattt	tgggcggaaa	ggaggggtca	ggagatgtgt	tgcagacaga	83940
cacacggaga	acgacggctg	gaaagtggca	tgtgctgggtg	tcaccatgt	caagtaaccac	84000
ctgggcatct	ttcctggccc	acattgagag	agccagccct	ctgagttccc	agaggcatct	84060
gtgcaccagg	gctgcaagcc	tccaaaccaca	ggtctgagcc	aggcaagggtg	gctgagagat	84120
caaccttggg	cccagcaagc	ccctcatccc	ttgaaagaaa	ccagctgaga	gcctgcagcc	84180
tatcaagcag	ggatgccctt	acacacctag	ggaagctggc	gagtcaggac	tgttgggtct	84240
gaggggtctg	acaggtctgc	ctcctaacaa	ggggacattc	cacttctgcc	aaggcacagg	84300
catgctggct	taccagctga	caaaggagtt	acatggacaa	aggaacaaac	ggacgacact	84360
ttgccttagg	cccagcacgg	gaaggggtgc	tgtgaactgt	gaccttgccc	agctgtgacg	84420
cagacaggga	gaacaaacct	gagtgtcaga	atcagaatgc	tgaaaatggc	tcttggaaaag	84480
tgcagcatcc	tgtgcgcgtg	ccaagcgaga	ggatgcttgg	atcctagaca	ggagtcagct	84540
gagatggagc	aggcaaagcc	ctcagaggag	gctgcagtc	cggttccagc	tggatcgttt	84600
gttagctgtg	tgaccgcaga	caacccccaa	gactttttctg	aacttcagtg	gcctcatccg	84660
taaatgtaga	taatattctg	tgcctcaca	agctgaggtt	tactgtgctt	tagagactat	84720
tgtatgagcc	attgggagag	gggtttaaaa	gaccacagagg	tcaggtttca	cagggcatga	84780
ggcttccccc	tgtaccaagg	actacttctg	gcttcacagaa	tgcccattct	cccatttggc	84840
ttgtctctct	ttgcctacat	gatctttctt	gacttttgc	attatctaac	tatctatcta	84900
cccatctatc	catcatccat	ccatccatcc	atccacctat	tcatccatcc	atccacccac	84960
ctacctatct	accatcttat	ctatatccgt	atggaaaccca	gggtctccata	gatgctaggt	85020
gtcctggtta	gttttctatc	agcttgacat	aggtgggggtc	atctgagaag	acagaactgc	85080
acttgagact	atgcctccat	cagattggcc	tctggcaagt	ctgcgggaca	tttctctgac	85140
taatgattga	tgtgggaggg	cccaggctac	tgtgggtggg	gccaacccca	ggcaggtggg	85200
cctggattgc	ataaataaac	caactgagca	agccacgaga	agcaagccaa	taagcagcat	85260
tactccatgy	tctttgcttc	agttctctgc	tcagggtttc	tgccttgagt	cagccctgac	85320
tttctctct	gatggaatag	ggttatctgt	agatggaaat	aaatccttta	ctctccacgt	85380
tgccttggat	catggaagtt	tatccacagca	ataaaaaaca	gcaaagacac	tagacaagca	85440
tcttaacca	atgccatgoc	ccagtgggct	ccttagagac	atgacactgt	ccctatgtc	85500
cacactgato	tctggcctat	aaagtctatc	tttgtgctag	cagagatggg	atgtcatagc	85560
ctgggatttt	agccatgttc	ccattacctt	taggacagag	aacacaaact	ttaagacagg	85620
gtctacatga	ttcagctgcc	gttggcttca	gcagcctccc	tctggcctg	tgcctctgcc	85680

tctaggtttc	agaactaocg	tccttgTTTT	aattotgaca	caaagccctg	tccttctccc	85740
actcaaggac	ctttgcacat	cgtgctcctt	tcacctgtga	aggaattgtc	acacattcaa	85800
ctcttgctca	actttgggaa	gcttcccttg	accctgctcc	gagccttcc	tcacagcact	85860
gagtacggcc	tgaacctgca	gacacttcaa	caagcgtgta	ctctccatgt	gcatgcatgt	85920
gcacaccccc	cccacacaca	cacattacag	tcctctgtcc	acttagtccg	aagcaatcaa	85980
gagtgttagt	cgtcctgacc	cactctccat	gctttacgtg	ttcttagaac	ttaccacgac	86040
ccctgcaagg	caagtctcat	tattcctact	ttcccaagga	agtcaaactg	aggcctagag	86100
atcacagcta	gcaagggcac	tcccaacagt	cagttgtctg	tgTTTTTTaa	aatccaaatg	86160
gatccactgt	ctacacatat	ttatgaggca	ggtgtaaaag	tgatcatta	agaaagcaaa	86220
caaacagaaa	aatggagatg	ggagtccatc	TTTTTTTgcc	cagggttgccc	ccaaatccca	86280
gtaactctaa	tgtgttccct	tcaaaacaga	atgcaggcta	ggaccttccc	agacctctgt	86340
caacacggac	tcaggacccc	ttgctgtggc	cagctctcaa	tagacaatgt	tttgacagaag	86400
acattttttt	tttttttagaa	atgctagatt	gacaggttct	gttttgTTTT	tgagtggggt	86460
ttgaatgaat	gagtaaata	atgaatgaat	gaatgaatga	atgagtgaat	ggtgggcaag	86520
gatcaactgt	cataactaact	gcaataactga	cctgactatg	tataactcca	tgaccaggaa	86580
aacctcttct	gcttccctaa	acctcaactgt	cctcaactggt	gcaattggat	agataacaca	86640
aggcattcgc	caagtgccca	cagcagtgat	ggcacgtgaa	gatgcttgac	ctgccttttag	86700
gtcagtgcct	gtgctggggg	gtaacaaatc	tgagtgttgt	ccctctgctg	ggagacaccc	86760
agggtctgag	cctatctgta	agccatagag	ctgatcacc	ttggaggctt	gcaccgcccc	86820
tagaccaaac	aaggctcctc	ccaccttctg	catccacctg	tcaagcccca	gacaggctcag	86880
tacttaccag	cagacttggg	ggtgaacttg	tctcgatttg	cggcgcacac	agccaagagt	86940
ctgtagccca	ggtccagggt	aaaccttctg	tgggcagcca	cacggctgac	aacctgacag	87000
caggaagagg	aaatccaggg	tgagttacca	ttccctcaga	gctgagcctg	agtaggtaca	87060
catacccaca	acaataatga	agcaggcaaa	ggcgccaggc	tgtggcaggg	gtcaaaggcc	87120
agatggaggt	aggattctag	catgtctctt	tgaatggctt	gaatgatgac	ctagctaggc	87180
attagcttga	catgtagtac	cgcttctgct	agagtggctc	cagctagggtg	cttgcatcac	87240
cccatagctg	ctcaccttac	ctgagtccta	gcccaggat	gcttctcttc	cctcggcctc	87300
ctgccactat	gtctgggctt	ctgttctctc	ctcagcagg	actcaactacc	tctgctgctc	87360
ccaggcacca	gcatattttg	gggtatctcc	tggagatgtc	ctgcacccc	tactctctctg	87420
catcaacagc	cataccctga	gaagcagaga	cttgggattt	gctgctcttc	cagtagttta	87480
caggcagagt	tgcttataga	atggcaaaag	cccttgagcc	aggtggacag	gtgaacctgt	87540
tactctggag	ctcagccggg	ggtctgactt	ggcactaagt	ccttagagta	agccctctaa	87600
tcttactcat	ctggagagat	aggtgccttg	tgggggtact	gtgtggaaat	gggggtgccc	87660
aaggaccaaa	gagaggcccg	ggaggctcct	gcatctgatt	ctgtcccaag	aagacctatc	87720
cctgggtgac	caggctctgt	ctcccatctc	attaacaatg	gccagacaat	gcttcccttg	87780
taaggaggga	ggagcttaga	aaatgcactc	abccaggaga	gccactgggg	aagccaaagg	87840
tgagtgggag	gctgctccct	tccagctgct	gaggaaggga	ggctgaaccc	tcaggccctc	87900
gggctctgoc	ctacttggat	gctgttgagg	ggcctcaggc	tgacagagggt	ttaggggccat	87960
ccaggggccat	cacaatagca	tcccacttag	ggtgggggag	ggctcaccac	aagggtctct	88020
tgactgaaaag	ggaaaatcct	ttcaaccaag	cctgtgaggc	cagctctcct	ttctctctcc	88080
ttgcacccca	ttctctctct	ctctctcttg	aagggtacca	ctgtgcagcc	cagtctgggt	88140
tcccaacttg	tgatcctttc	gagtgtctgag	actgcagatg	taccacccatg	cctgggtcca	88200
tctctgtttt	ttaaactgaag	ggacacagaa	ggtcaggagt	gtaacagaat	gagggaggag	88260
ggagcagagt	gtcctttccc	agtaactgoc	agaccagagc	cttagacccc	tgtcttgjaa	88320
aacctctgca	ggcccaaaag	cagctgggat	gggagggaag	agctaactct	acttggggat	88380
gtttctctgg	tttcagatgc	aaagagaatc	cttccatgct	cccagactct	tttcccatgg	88440
gctccctggc	tctgtctgct	ctcaagtctt	tagccagta	gaatggagct	tccttacccg	88500
ctgcctcagc	cttgatccct	aataggatct	ggcctgtgga	ggtttccaag	tttctagtca	88560
gggactcagg	ggagtggggg	aaggttcttg	actttctgag	ctgcagctta	gatgctgctt	88620
tgggtgtttt	cgtttctgaa	gcacccggga	gctcagccat	tggggctcct	ggtctgact	88680
ggtgcaatgc	taagggttat	gccggcccaa	gaaacagtag	gtctgctgtg	gccaaagtctg	88740
gcatgctttg	ggcacaagtt	gtcttttctt	gcttaaaaga	aggggctttg	ctcaagatca	88800

tatagcaaag	atatgacaga	gcaagcaagc	cagagcatgt	gacactacac	agcctcacgt	88860
gctgccacgc	ccttggttga	gtctgagccc	ccatgaagg	ctcataagg	atggctcttt	88920
tggccattgg	taaggatat	tggtaaaatg	ggcagattat	atctcagaca	ggcctgttgt	88980
atcccaggg	cctgtagttg	gcctagactg	gatacatgct	agaaaccagc	tcattctaagg	89040
ccgtccttct	aggcatggct	ggcaggaacc	tagacgttaa	gagggggcgg	tggcaggggtg	89100
tttagtttca	atacttcaga	aggtgaaact	attgtcccag	agacaagact	tgcttacagt	89160
atcacaggg	gctgcagcag	ctgctgcgtc	tctgaagtta	gggatgaatc	tggggtgtgc	89220
atgtgcccc	cacagtcata	tcaagtgaact	atctactccc	tgggcctcag	ttccttcacc	89280
tgtgaaacgg	ggacaaatgt	tcttatgact	agtagattgg	agtgaagtcca	gacaggccctc	89340
caagggttga	ttgaggtggc	cagtggccta	gagactcata	tttgagttga	ctctggggcag	89400
cttagaagtt	ggtgggcaaaa	caaacagaca	aacacaaaacc	aaaccaaaaca	aaaaaaaccc	89460
taaaaaatcaa	aaccaaacca	acaacaacaa	aaccctccac	accattttgt	tctttgcagc	89520
tgagtggttt	ttaattttata	tcctcaaaaat	aagccgatct	ggaggaattt	agaactagct	89580
accagagggtc	accgagggaa	ctgtgtcaac	ctgcaggctt	agctacccaa	ggctagcgag	89640
ggacccaagc	ctgcagagtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	89700
cgtgtgtgtg	ctggggaggg	cttagcctct	cctgccttgc	agtcgtctct	tcctgcaggga	89760
aacactgagg	taaagatagt	aacttcctac	tctgcctatg	ctgttccact	gcaggacaga	89820
gtcccacaa	tactttgcac	ttggacacaa	ctctcagttc	cccgcttctt	tgctaccaga	89880
gcctgtccct	tcagctgac	accttggtct	tgttctccta	acaaggcctt	ctgagttcct	89940
attgtgtttc	atggctactg	tgggtggccc	cagcagggag	taggtaaaatg	tctgctgaac	90000
gactaagtga	acgacaagca	agacaggact	agcctctggt	ccatccacgg	tggccagggc	90060
cagtgtcccc	cttgagtga	tgatgtaggc	agggccaagc	ctggggcag	atgctggagt	90120
agcatattag	tttgttttag	aacatcctgt	gcattggccc	agccctctct	cccactacag	90180
ttacaggaaa	ctgggggtgg	aactgtggcc	taggcaacat	ctggccctct	ccatggggct	90240
taggctgggc	ccagatcctg	caaagaggat	tagacagctg	ggcggagagg	ggagcttggg	90300
gactgaagga	taaggaagac	agggccacgc	aggtggcttg	agtgaagacag	atggggccag	90360
cttctaatag	actaaccttg	ggaggctctg	tgccatgttt	tagatggact	ggaacacccc	90420
ctttaggttc	acatgggcct	cagctagaga	ccaagatgct	tttaagactg	ggtggcatgg	90480
cagtcagttc	tgagtctttg	tgtcttctct	tgtaaaatag	aaagcttgaa	agacagggtg	90540
attctgggag	gaggcacatg	ccacaagcat	ttcagccttt	ctcagaacaa	gatagcctaa	90600
tgtggtcatc	atgtctctct	ttctaaacca	gagctaagct	cggttctttg	tcctctctct	90660
gtctggagca	ccttaggaga	caacattcct	gcctggccct	gcattctctag	cctacattcc	90720
acactcagga	cacgcaggct	ccacacagtg	tgattccac	tcctttctaa	gcccaactaca	90780
ggtctctctga	ggaactgtcc	taatgcaggc	cacatggctg	ggggacattt	aaaagctaca	90840
gaagactccc	aggttctttc	tagcctcaag	ttcgggcagg	ttcaatatcc	tgtctagtct	90900
ggacccagtt	ctctggacac	caggggcctt	tgcacacgct	gctttgtggc	ccagggacac	90960
tctggctgtg	ctcagcaacc	tggtaagttg	tgtcatatgt	agggctgggt	ttacatgaat	91020
agccccaacct	cccagctggc	aaagagtcac	accccgctcc	tgtaacctgt	actgttattc	91080
tcagacattc	ctccacattg	ctgctcctta	ctaagaaatc	aagcttaaga	aagttttttt	91140
tttttttttt	tttttttttt	tttatcttgg	ggttatccag	gacttggcag	aggggaacca	91200
aagtgataaa	tgagggatca	atcaaggtct	atttgtccag	acggatgaat	gtcacagggg	91260
ctctatacct	gctcttgagt	ggacagacag	acaaccagag	cgaagctcaa	taaatgctca	91320
gcgataaaa	gaataaatgg	ccttggggaaa	agaaggttga	gtcttcogag	ctccctctgc	91380
tctjagggag	cactgggtcc	ccactgtgtg	cttctccatca	agtgtjagga	agccacacat	91440
ccataaaaga	cgggtctccat	atcagaacctg	gcagtggggg	tgtgtjctcc	tgcaggggca	91500
gottgcagca	tgggcagctg	ttccccccagc	atttgggggc	cacagaaaag	tatgtgggca	91560
ggactcttga	ccccagggtc	atgcttccca	gtgtjctatg	aaggggaagt	tgaagactca	91620
ccgtcaggca	gcccattgag	ctctjctcaa	agggctctctg	gaaggtctga	jggtctccac	91680
accaatccag	cagctctgtg	gcagcattgt	ggaagttggc	gggttctctg	aagtjctgtg	91740
gagaaaaaaa	gagaaaagact	tgagggttga	agaagaggtc	agggaaacaga	ggagcacagg	91800
actagccagg	aaggagacac	acagaaaaga	ggggcagaaag	gctgggtggga	ttctccagct	91860
ttctcaaaaca	ccctctatgc	aaagcctggc	ccatggcagc	agatjagacc	agcggaacct	91920

tttccgggat	gagaatcagg	gctagtaaag	gccagagcca	tcagacatcc	aggtgctctg	91980
tggatgcagg	tggctgggga	ggggtccag	ggggatttta	gaaggtggta	cccgtctcta	92040
tacttgccgc	cagcaggctg	tggcgggtgc	ttcctaacaa	cccacccct	caccctctac	92100
tccagctctg	gtcctccctg	tgtgtgtctg	aggaggagga	caccctggga	agggagacgt	92160
ggtctacatg	ctgtctatag	gatgggtgtg	gtggcttagt	gttcttagct	tcaaaggcca	92220
gctcctcagg	tcttgatctg	agcccttttg	gagcctcttc	ctcatgcctc	acacatagga	92280
aagtcagaat	cctggggcct	tcagagatac	ttgaggcccc	aggctgccag	catggaggag	92340
ttgacgagat	ctcacttcat	ccttttatatg	gaccctcagc	ttcctgggtc	cttgtcattt	92400
ggcactggga	ccaggagaga	gaagaccagg	gctgtggggc	aagttagagc	cacagctgcg	92460
atttgacctg	gtggtaggta	tgagcccaga	ggttatcatg	tagaaaccag	attcatgcat	92520
acaggatgct	agcagctcca	ggccccttgg	tattggtagg	atagcaggat	ctcactggcc	92580
tagatggggc	ctgtaactcc	tctgtggcat	gagtcaattc	acagccaggg	cagagtgggt	92640
cttgggggtg	gcgccccaga	atgaggctgt	gggagccctt	ctggggttag	ggttctgggg	92700
tcactcactc	tgctgtgccc	ccttattaat	ctaggatggg	cctttcacct	ctcccatcct	92760
cagtcaccca	tctgtaagat	ggggttggga	gactcccatg	tggtcatggg	aatttttggt	92820
ccttgtgctt	atcagagtat	ggttcgtgca	tggaaacgct	tgacgcgaga	agcaagttag	92880
ctcaaaaaaa	aacccctctt	ccacgaagaa	gagacagagg	gagaaaaaag	ggcaagcgag	92940
cagtaacagc	ctgtgtcatg	ggggtcagat	gacaattaaa	caagaccagc	tgggcttgtg	93000
tggtcagggc	acagcacctg	gcaggtagca	tggttccacc	ggcagctgac	ctgggctcag	93060
ggttaggggt	aggtctcagc	ctttcagagg	ctccccacct	cctctgcagg	agcccagcag	93120
ctctcccgcct	tggctctcta	aagctgcagc	tccttgatca	ccaagccagg	gaggggcccgc	93180
tgcatacata	gccacgcctt	tggggaggat	ggctgcttgg	cttctgcttc	tggtgttcac	93240
ttctaaatct	gcctttcaga	ggccccaggg	agcactgggg	ctctgatgga	gcgttgccagc	93300
tcaactcagc	agctccttct	ggcttgccgt	cccctgacaa	ccaggtgttt	catttattta	93360
tgtgatgcca	cgaccaatca	gcattggccag	caagccgcac	atgcacctac	tctcaggtga	93420
ccatagcaat	gctctttgga	gacctgagct	cctgagtggc	ctctgaggct	gatcccccaa	93480
gcc						93483

<210> 50
 <211> 3500
 <212> DNA
 <213> Mus musculus

<400> 50						
cgagcggcgg	cgcccgggag	agcaagctgc	cgcccgggcg	agcagcgatc	60	
cggtgcagag	gcaagcgagc	agcgcgcgcg	cagcgcgcctg	aacctagccc	cgcccggtga	120
ggagcgggag	cgggagtcgg	agccgagtg	atttcgcgcg	tctcgcctgg	ctcctcccg	180
ctccagcctg	cctacacagg	cggtggcggc	ggcgcgtcct	ccagcgggtg	cagtgggtgc	240
cgagcgcgc	ggactcagac	agcatagaat	ctactcagca	tctccttcgc	cacagcctcc	300
ctcccccacc	atcacattag	ccttgagttg	tgatcgactg	gcaggagccc	tagcaggagg	360
atggaccttg	agtgaagtgg	aagagctgct	ggaccacggt	cattgctctc	gggtaggacc	420
cagcgaaaag	gccagaatga	attctatgga	caggcacatc	cagcagacca	atgacgctct	480
gcagtgcctc	aagcagcaat	tacagaaccc	cgccaaacttc	cacaatgctg	ctacagagct	540
gctggattgg	tgtggagacc	ctcgagcctt	ccagaggccc	tttgagcaga	gcctcatggg	600
ctgcttgacg	gttgtcagcc	gtgtggctgc	ccaaacaagg	tttgacctgg	acctgggcta	660
cagactcttg	gctgtgtggg	ccgcaaatcg	agacaagttc	aaccccaagt	ctgctgcctt	720
gctgtcctcc	tgggtgtgaag	aacttggccg	cctgctgctg	ctggcagatc	agaagagccg	780
ccagaacgac	ccccctggga	aactgcacat	gcagccccc	ctcagctcca	tgagctccat	840
gaaacccact	ctgtgcacaa	gtgatgggtc	atttccttat	gactctgtcc	cttggcagca	900
gaacaccaat	cagcctcccg	gctcctcttc	cgtggtcacc	acgggtgtgg	gagtgaacca	960

cacatcccag	agtcagggtcc	tcgggaaccc	tatggccaat	gccaacaacc	ctatgaatcc	1020
aggtggcaac	cccatggcat	caggcatgag	caccagcaac	cccggcatca	actccccaca	1080
gttcgcaggg	caacagcaac	agttctccac	caaagctggc	cctgcacagc	cctatatcca	1140
gccaacatg	tacggccgac	ctggctaccc	tggtagcggg	ggctttgggg	ccagcctgaa	1200
ccctgccggc	atggcagctg	gcatgacacc	ctcgggcatg	agcggccctc	ccatgggcat	1260
gaaccagccc	cgaccacccg	gcatcagccc	ctttggcaca	cacgggcaaa	ggatgccccca	1320
gcagacctac	ccaggccccc	ggccccagtc	ccttcctatt	cagagcataa	agaggccata	1380
cccgggagag	cccaactatg	gaaaccagca	atatggacca	aacagccagt	tccccaccca	1440
gccaggccag	taccctaccc	ctaaccccc	aaggccactc	acatctccca	actaccctgg	1500
acaaaggatg	ccgagccaac	ccagcaccgg	acagtaccca	ccccccacag	tcaacatggg	1560
gcagtattac	aagccagaac	agtttaatgg	acagaacaac	accttctcct	ccggaagcag	1620
ctacagcagc	tacagccaag	ggagcgtcaa	caggtgcagc	tgctgcagca	ggggccgctg	1680
gatgggtgaa	gtcagcagga	ggccgagtat	gtggagggat	gcccattgct	gctggggcac	1740
taggaccccc	agggttaactg	tcaagcggaa	tttcagcagt	gtggctgctt	cctcggggcaa	1800
cacaactctc	aatggggagg	atggcgtgga	gcagaccgcc	atcaagggtg	ctctgaagtg	1860
ccccatcaca	ttccggcgca	tacagctgcc	tgctcgaggc	cacgattgca	agcatgtgca	1920
gtgctttgac	ctggagtcac	acctccaact	gaattgtgag	cgagggaact	ggaggtgtcc	1980
cgtgtgcaat	aaaactgctc	tgctcgaggg	tctggaagtg	gatcagtaca	tgtgggggat	2040
cctgaacgcc	atccaacact	ccgagtttga	agaggtcacc	attgacccca	cgtgcagctg	2100
gcggccagta	cccatcaagt	cagacctcca	catcaaggat	gaccccgatg	gcaccccttc	2160
aaagcggttc	aaaaccatga	gccccagcca	gatgatcatg	cccaatgtca	tggagatgat	2220
cgccgctctg	ggccctggcc	cgtctcccta	ccccctccca	cctcctcctg	ggggcaccag	2280
ctccaacgac	tacagcagcc	aaggaaacaa	ctaccagggt	catggcaact	ttgacttccc	2340
ccatgggaat	cccggaggga	catccatgaa	cgacttcatg	cacggtcccc	cccagctctc	2400
gcacccaccg	gacatgcccc	acaacatggc	cgccctcgag	aaacccctca	gtcaccctat	2460
gcaggaaaact	cctccccggc	agccaccaca	ggccgctccc	ggcaaccatc	cacacagcga	2520
cctgaccttt	aacccctcct	cagccttaga	gggtcaggcc	ggagcacagg	gagcatccga	2580
catgcgggaa	ccttcaactgg	atctactgcc	ggaactcaca	aacccggatg	agctttcttc	2640
ctacctggac	ccccccgacc	ttccaagcaa	tagcaacgat	gacctcctgt	ctctctttga	2700
gaacaactga	aggccactct	ccactggggc	catccctccc	cactctgctt	cctaccccat	2760
ctgtcccaca	tcctattcct	cccaggagcc	catgctcagg	cctcccacac	caggacctca	2820
ggctgagagc	tgagcagagc	acactaggca	gggaaagcca	tgtgggtctc	cagtctgtgt	2880
tgcttgaatg	ctctgggata	tatgcctaga	gcaagcctga	agacggcccc	tggagacaaa	2940
acccaagctg	agggaatcca	ggcccagcaa	gagacatgcc	aatggcgact	gtaggtccct	3000
ccatgtgtgc	tgactccaga	caaccgacct	tccagtgtcc	caaagtctct	ccatgttttt	3060
aaaccttatc	cccgcctctt	ggcccagagc	ctccttcaga	tgactgggaa	ccgaaagaag	3120
cctgtgctcc	ggcccccagg	ccagggtagt	ggacaagcct	tggaggagtg	gtgacagtct	3180
gcagcagtga	ggaaggacac	gcacacacac	acacacacac	cacagaaaag	cacaaccctc	3240
tggggaggag	accatccctc	aaggccgggg	gtcgtggctt	tggcctctga	cttctaagcc	3300
aagatgccct	gtaaacactc	tctcagcaga	acaaggacaa	agtgcctgtg	ctgagagaga	3360
gtgccacacc	ttgtaggggac	tggcaggaaa	caggtcaggg	ccttccccag	agccaagaca	3420
atgcagagga	gggctcccta	actcagaaca	gggcatgccc	ttgcggggag	cagagagtgt	3480
gtgcaccaca	ccaaajggag					3500

<210> 51

<211> 2427

<212> DNA

<213> Mus musculus

<400> 51

atggacaggc	acatccagca	gaccaatgac	cgtctgcagt	gcacaaagca	gcacttacag	6)
aaaccccgcca	acttcacaaa	tgctgctaca	gagctgctgg	attgggtgtg	agaccctcga	120

gccttccaga	ggccctttga	gcagagcctc	atgggctgcc	tgacggttgt	cagccgtgtg	180
gctgcccac	aagggtttga	cctggacctg	ggctacagac	tcttggtgtg	gtgcgccgca	240
aatcgagaca	agttcacccc	caagtctgct	gccctgctgt	cctcctggtg	tgaagaactt	300
ggccgcctgc	tgctgctgcg	acatcagaag	agccgccaga	acgaccccc	tgggaaactg	360
cccatgcagc	ccccctcag	ctccatgagc	tccatgaaac	ccactctgtc	gcacagtgat	420
gggtcatttc	cttatgactc	tgtcccttgg	cagcagaaca	ccaatcagcc	tcccggctcc	480
ctctccgtgg	tcaccacggt	gtggggagtg	accaacacat	cccagagtca	ggtcctcggg	540
aaccctatgg	ccaatgccaa	caaccctatg	aatccaggtg	gcaaccccat	ggcatcaggc	600
atgagcacca	gcaaccccg	catcaactcc	ccacagttcg	cagggcaaca	gcaacagttc	660
tccaccaaag	ctggccctgc	acagccctat	atccagccca	acatgtacgg	ccgacctggc	720
taccctggta	gcgggggctt	tggggccagt	taccctgggg	gtcctagtgc	cccagcaggc	780
atgggcatcc	tgaaccctgc	cggcatggca	gctggcatga	caccctcggg	catgagcggc	840
cctcccatgg	gcatgaacca	gccccgacca	cccggcatca	gcccctttgg	cacacacggg	900
caaaggatgc	cccagcagac	ctacccaggc	ccccggcccc	agtcctctcc	tattcagagc	960
ataaagaggc	catacccg	agagcccaac	tatggaaacc	agcaatatgg	accaaacagc	1020
cagttcccca	cccagccagg	ccagtacctt	acccctaaac	cccgaaggcc	actcacatct	1080
cccaactacc	ctggacaaag	gatgccgagc	caaccacaga	ccggacagta	cccaccccc	1140
acagtcaaca	tggggcagta	ttacaagcca	gaacagttta	atggacagaa	caacaccttc	1200
tcttcggaa	gcagctacag	cagctacagc	caaggagagc	tcaacaggtg	cagctgtctg	1260
agcagcggcc	gctggatggg	tgaagtcagc	aggaggccga	gtatgtggag	ggatgcccat	1320
gcctgctggg	gcactaggac	ccccagggtg	actgtcaagc	ggaatttcag	cagtgtgggt	1380
gcctcctcgg	gcaacacaa	tctcaatggg	gaggatggcg	tggagcagac	cgccatcaag	1440
gtgtctctga	agtgcctcat	cacattccgg	cgcatacagc	tgctgtctcg	aggccacgat	1500
tgcaagcatg	tgagtgctt	tgacctggag	tcatacctcc	aactgaattg	tgagcagagg	1560
acctggagg	gtcccgtgtg	caataaaaact	gctctgtctg	agggctctgga	agtggatcag	1620
tacatgtggg	ggatcctgaa	cgccatccaa	cactccgagt	ttgaagagg	caccattgac	1680
cccacgtgca	gctggcggcc	agtaccctac	aagtcagacc	tcacatcaa	ggatgacccc	1740
gatggcatcc	cctcaaagcg	gttcaaaaac	atgagcccca	gccagatgat	catgcccaat	1800
gtcatggaga	tgatcgccgc	tctgggccc	ggccgtcttc	cctaccccc	cccacctctt	1860
cctgggggca	ccagctccaa	cgactacagc	agccaaggaa	acaactacca	gggtcatggc	1920
aactttgact	tcccccatgg	gaatcccggg	gggacatcca	tgaacgactt	catgcacggt	1980
ccccccacgc	tctcgacccc	accggacatg	cccaacaaca	tggccgccc	cgagaaaccc	2040
ctcagtcacc	ccatgcagga	aactatgcac	cacgctggca	gttctgacca	gccccatccc	2100
tcatacaaac	aaggtttgca	cgtaccacac	cccagcagcc	aggcagggcc	tccattacat	2160
cacagtgggg	ctctctctcc	ttcccagcct	cccgggcagc	caccacaggc	cgtcccgggc	2220
aaccatccac	acagcgacct	gacctttaac	cctctctcag	ccttagaggg	tcaggccggg	2280
gcacagggag	catccgacat	gcgggaacct	tcactggatc	tactgcggga	actcaaaaac	2340
cgggatgagc	ttctttccta	cctggacccc	cccgaccttc	caagcaatag	caacgatgac	2400
ctcctgtctc	tctttgagaa	caactga				2427

<210> 52

<211> 94529

<212> DNA

<213> Homo sapiens

<400> 52

ttgcacacaa	tctctgtccc	caagaggatg	ggagtccaga	caggagcagg	aaatgggggt	60
gacattttta	atcctaccag	ttgctcaaaa	ccacattgga	agtagttatc	accatcccca	120
ctttacagat	aaggaaactg	aggctcccaa	aggtgtttgg	agctccccga	gggtccacag	180
ctctgagtcg	caggggttgg	attgagggcc	aggtcatggc	gtccaaaagt	ccacgtctct	240
tcaacaggcc	cagtttgcc	ctcagttctg	cagggagata	agccgtgtac	acaaatagct	300
gcaatcccaj	gtagaaagtg	ataagtgcac	aacagggggc	ataaaggctc	tgggagggga	360

ggagactgcc	cactgcggga	ggggctaggg	tgggggtcag	gacaggcttc	acagagtggg	420
cagcatctct	gcgcaagcta	agacatgggt	cgctgaatcc	acagtatcta	gcagtgtctg	480
acattgtcac	aggggcccag	gaaatatttg	tgaaagaaag	agaggaagga	agggaggtga	540
agagggagag	agaaaggcag	aatgggaggg	tggctatgct	ctgaccccat	ttggcccagg	600
aacttgctcc	tctcacagga	agacatagtc	aagagctgcc	accaattaga	gaaggccttc	660
atgggggtccc	cattgtcctg	tgacacccca	gagaagtagt	tcaggacttt	caggccagag	720
ttcctgacaa	tcagatgttt	tgctcaatac	cagaaagaac	ttcccaatga	gtaaagctag	780
acaagacttc	tctgcggggc	aggggaaatg	gtgtgttgga	gcctgttcat	atggctcaca	840
agggccgatt	gttaaatttt	caggaactgc	gcgagctggt	tgatggaacc	aaccagctgt	900
gccagctggc	tctggtcggc	agcttgaaac	tggccatggt	gggggtattt	acaccgtaga	960
catcggaaca	tactacaaac	caggttctcc	ccactttggg	gagccagctg	ttaaacattt	1020
accagcacac	cactggcaga	ggtctgctat	gtgagggagc	aagcagcccg	tccctggaag	1080
agtacaagca	aagacagtct	cctcctggca	ggaacgaggc	taaggggttc	tttcttagtg	1140
aagggctcag	agcaaagtat	ctcagaagcc	ctgttctggc	tctaagagcc	taggaaaagt	1200
cgggtttaag	aaaaaaaaact	aatcaggat	aattcatgcc	gggaaatcat	gaaccactag	1260
accagagac	tgggagtagg	gaagagacct	gagaaaatgt	gtgagggggc	acatgcttgg	1320
atttctcagg	tggaaaactc	ggtccaaggt	gacatggaga	gtcaggggca	atgctaggac	1380
tagaacttat	gtctctggct	gcccattctc	cggttccttc	taggacatat	gggctgggca	1440
actaggaaga	gggggatctt	tctgcacgaa	gtctgggtgt	tgtctcagaa	tataagctct	1500
gcagcagtgt	ggaccaaate	tgttttgttc	actgttggag	atctggcata	cagcaagtat	1560
ttaataaata	ttccttaaag	gaatcgatgt	gtctgagatc	ctgtctcctg	gcagcatttg	1620
gtcgggtgga	ggtggtgggg	gctgggaatg	tcatectctg	acaccgtcac	ttcctgagtc	1680
cccactgcag	cttagtgaca	tggaatcaag	agaccagggc	tcaaattcca	actctgtcac	1740
ctcctttgac	cttggccaaa	ccattatgcc	tcttgaaccc	ttagtttatt	cttctacgaa	1800
gtgggttagc	aatccctgcc	tgctctctga	ggctgctgtg	gcacttgctg	gagacgtcaa	1860
gtacttttta	caaactaaag	agctgtgtcc	acaggaggaa	gggggtgcca	ggagagctgg	1920
ctgtggtggc	agtgccaaac	caaggggtccc	tgggtggacac	tggacagtgg	ccaggatgct	1980
gctctcttag	aactgctgct	tggggtaatc	tgggtcaaac	tagccaatag	cctgtggaga	2040
ggaggtctga	gtaccagaca	gctcacgaaa	ggggcaggaa	gcagaggatg	aaatgaagat	2100
ggtaagggag	agttggagaa	gtcctttttc	ctcctaagac	caaaggcaga	aggcaaaact	2160
gcaacttaaa	aaactgtttt	tgtctctgta	gagctgttca	tcattgttccc	ctttccccc	2220
caagaccttc	actattgcaa	gaggccttaa	tgtgtgagct	gaggactggc	acctgccaa	2280
tcaggtgggg	gtgggggtgga	aaatcctcat	atgtcctaga	atcagaccag	tgtttcaaac	2340
gatttttgaa	gagggatttg	tgtcgtctct	ccagacaagc	atcccaagtc	ccctcctggt	2400
aggggtgggag	gacaggctgg	cggggagggg	ggcccagcgc	accccaggct	gtgagtggat	2460
gaagaaggaa	agcagggggg	gggggtgtct	ctccaaccct	cccccaagtg	ccatctgatt	2520
tttgcaaaga	gggtgaaggc	agcagjaggc	tcagagccag	ggccagggag	gcaggtggag	2580
aggggtgtcc	tggaggggct	gcaccgtcag	cctgggcccc	cagtggaaag	caaaatagaa	2640
aggccctgtg	tcagcagcca	ggccctgtgg	cagccgggct	ctcggctcca	ttctgttcag	2700
tgggattctg	gttggcacca	gctgcagtoa	ggaaccaatgc	ctggatttct	ttctttcttt	2760
ctttcttttt	tccattttta	tagagggggg	agaaggacca	gagccactca	ttgaacagct	2820
cagaattgtg	gaggaatctg	ggaccgtgtg	tctttgaaaa	cagcacagtc	gcagggggcc	2880
cacagctggc	tgcaaggtgc	aagaaggcat	gatacaactg	gagctccagg	tcccagccct	2940
gctgtgtgt	cataactgtt	tgtgtgtgta	ccttaggcag	gtccatgccc	cactctgggt	3000
tcccacacag	cccacacag	cttgccttcc	aggacccact	caatgccaac	tctttctctt	3060
ccccgaactc	ttagaatggc	attgggtggc	cgggtgaggc	gggtcatgcc	tataatccca	3120
gcacttttgg	gggccaaggc	gggtggataa	tgaggtcagg	agatgcagac	cactctgggt	3180
aacatggtga	aaccccatct	ctactaaaaa	cacaaaaaat	tagccgggta	tggtygcata	3240
gtcccagcta	ctcgggaggc	tgaggccagga	gaatggtgtg	aacctggggg	gcggagcttg	3300
cagttagccg	agatctcacc	actgcacact	ccagccctgg	cgacagagca	aaactctgtc	3360
tcaagaaaaa	aaaaaaaaaa	aaagaatggc	atttgggtgt	ggcagtcctt	cctgagagac	3420
tgtgagcccc	cagagggctg	gttctgtgtc	tcctccatcc	tgtgggcctc	tatacctccc	3480

ctgctccgga	tggcctgtca	gcccccaagg	ccttgcaactg	ggtgatggga	tgtagcagtg	3540
agccatccta	tgacctgcag	ccttgacaga	agagggccat	gtaacacaat	acctccctag	3600
cctgtgaggt	gtcatactag	gaaatgaaac	tcctgtgccc	tcagtttcct	catctgtaaa	3660
atgagaatac	taatagctca	gaggatggga	ggagttcatg	tgtatgagct	actcaatgcc	3720
tggaacatag	caggaacttc	acaagtaatt	cctatgggta	tgctgatggt	ggaggctggg	3780
agagcagcat	atgggggtta	agacaaggaa	gacggcacat	ctgggtggagg	tatcagggta	3840
ggcttccaag	caagtgggtg	cagatgtggc	cctgggtgact	gggaggggtg	tgtcccagga	3900
ggtaggaaga	gcatgagcaa	tggcacagag	gtaagagtat	gtacataatg	ctggcaattc	3960
tggaagtcac	cctgcatggc	cacaggatga	ggtgagggca	aggaagcatg	agtcttgagg	4020
ctggaggact	gcacagccag	aaggaggaga	gatgctgagg	atctgagacc	ttccccacc	4080
cctctcgggg	tgcaggagct	gtcaggaagg	aagtgggagg	catggctctc	ctcaggctgc	4140
ttgtcccaga	cttcctcatc	agtgccgcac	gtacttgctc	ctctggaggg	gcgctgacgc	4200
aggtgagggg	acactgcatg	aggagatgtg	gctcttgcaac	ccctcttgtt	ccccccaccg	4260
agttgctggg	actacaggca	tgtgccacca	tgctgggctg	agacctggct	cctgtttccag	4320
ctctgggtgct	tcccagtggt	gcagtcaggg	aaagccatca	cctccttttg	gggctcagct	4380
tagtcaccca	caaaagggtc	gttgtgaggc	tcagaggggtg	agaggtgcct	catgaaggga	4440
ggcgttaggg	tcattaccta	ttcacagtc	tagatagtca	cagttctgag	cagctccctc	4500
caggtatttt	cttgctcccta	ctccactaaa	tggccccctc	tgaaagccct	ccctaaagca	4560
gggccgcctc	caaactctaa	agtgaactgt	agctcagtc	aagggttaaa	ggctcagacc	4620
tacagaatct	taggacaatc	agaggcaaaa	gtgctgggtg	atatcccaca	ctctctcact	4680
tggcagatgg	ggaacaggca	cagggagagt	ttgtgatgtg	ctcaggccac	acagcaagtc	4740
aggcaatggc	gggctgggca	cataggtgtc	ccggctcctg	aggcaggctc	ccagcctatt	4800
ctcttgtgac	tcccatctga	agaaggggtt	ggtgggttgaa	ctgggtctcg	aaccataggg	4860
cagaactcca	tggtagaaag	tgagaagacg	gctggcttga	gggaaggaca	ttggagagtc	4920
aagccttgga	ggatgggaag	gtgtgggctc	agagaatgga	ggggccatct	gattggaaat	4980
gagggggagg	cagagcaggg	gagcctaatt	cgctgaagg	catagatctt	ccctgcttga	5040
cccaaccact	cacctcttag	aggcacaggg	ctcagagctg	ggcagggccc	aaatgcttcc	5100
tgtatccacc	aaggggtgaa	ctctaaatgt	aatctccatt	acctcactgc	catgggaggc	5160
acctgtgtca	ttccctggca	agtgggtgag	agtctttaact	tcaccccaaa	gtacctggta	5220
ggttacctta	tctgcaccat	aacctggcag	tgagatgagg	gcaagtccct	attctcaacc	5280
tcaaggccca	gccaacctg	gagcccaatc	tcggctccac	ccacttagca	gctctgagat	5340
ctttattggt	ttgtttcggt	tttatgagac	agggctcatg	cctgtttgcc	agtctggagt	5400
gcagtggcac	aatcatggct	cactacagcc	tcagcctccc	aggatcaagt	gatcctccga	5460
cctcagcttc	ccaaatagct	gggactacag	gtatgtgcca	ccatgcctgg	ttaatttttg	5520
tattttttgt	agaggcaagg	tcttgcctatg	ttgcccaggc	tggtctcgaa	ctcctgagct	5580
caagtgatct	acctgtcctt	ggcctcctaa	agtgcacaga	ttacaggcat	gagccaccat	5640
gtcagccag	ctatgagatc	ttgagcagg	cacttaacct	ctctgagcct	cttcctcttag	5700
cagggaatga	caactggctt	gtggagagaa	tacaacgaat	gtttccaaa	tggttggtcat	5760
acagtaagta	ctcaatgaat	gagattttct	tcccacctct	ctagtctcaa	ttttagatgt	5820
tcctgtgctc	ccttaagttc	cagaagtggag	aggtggagag	tggggacaga	gaaggcagct	5880
cctggacagg	tgggaatccc	cactgtgtac	ccgcccccat	ccagcccag	cctaggaggc	5940
catactcgcc	gcacctatac	caagtccctt	gcttccctca	gggacctcaa	gcttcccacc	6000
cccaaccatc	tgtctggctc	cagattttct	gcttccctgaa	acctggggcc	aggcccagc	6060
aatggtcctc	tccccaatct	gctggtggct	cccaaggjac	ayggaaatta	acagcacttg	6120
agtgtgtctc	gaaggttggt	acaacctggc	ggccccacac	tgccatgjc	ctcctagtgg	6180
agccaggtga	cttctgggcc	tgcaggggtc	gagcaggatg	catcttccag	ctctggggca	6240
cgaggaaagt	atggcaactg	cctctcttgt	ctcaccagca	gatctccagg	ccagtgagg	6300
ctgaggcttt	gggggtgagg	tgtttggaca	cacagttccc	agtgagtcct	gatggcacca	6360
tggaccttac	aggggtccag	agggggaaag	cagcttgctt	ggggctacac	agcttatgga	6420
tgaacagagc	cagggctgag	gggacaacag	gaaactctgt	tcattggggg	ccgagttccc	6480
atcctgacca	atcttgggca	agtcattcac	agttgagttt	cctctgaaa	ggggatggta	6540
goggcaccta	acttaagaca	atgtgacagt	tcaatcaggg	aactgaattc	tcaataccta	6600

ggaggaccca	ccacagtact	caccacatag	tagacagtaa	ataagtcata	gcttcttcca	6660
agaccccaga	ggtatccaat	ctaccccatt	acctccctgg	aagatgaaca	aagagagcaa	6720
gggcctcaga	gacccaagga	ctggagccta	gggaagaccc	aggaccctgg	tgggctttct	6780
gacttgctgc	catgcttgca	cagaagggga	gggttgaaat	gatccctggg	tccatgctac	6840
taagttgagc	ctacttggct	cctctgccct	ctgcagccac	ttcctggggt	tcagatgtaa	6900
atactgggtg	gagagtaggg	ggctgggatg	tggggtaggg	ggtggagcct	ctggacagga	6960
gactttgaac	atgagtggtc	acctccgagg	tcacctgcat	cccccaattc	ctggaagtgg	7020
gcaggccctg	gatacttatt	gaggaatctg	gacagaaaagg	ttgagagggc	tgggcgtcca	7080
gacctagctg	gtcattaagg	caacaagaac	tgggtctaatt	gtgggctggg	ctggattatc	7140
acatcccaaa	tccttaaata	cccagaaaact	ctcttttggg	atthttggacc	tgggtatggg	7200
gtggctgctg	ccactgctgc	aatgctgtgg	attgctggga	gtgggacagc	tgtggctgca	7260
gccaccgttc	tgcaagctta	attcctacct	tccgaggttt	ctcaggtggc	cctgggtgtac	7320
ctacctgtga	acttaggccca	cccacaggct	gaggaggggc	tcaatcacac	agcaatgtgc	7380
tgggaccatg	actccctggg	gtccctagag	gtctgggaagt	gctttcatac	cacccaccct	7440
ctccagggat	gctcagctgc	cacctacagg	gagggcgggg	gtggaagagc	agcagtcate	7500
acagtcctatg	tccatgtgac	aggtaggaag	actgaggccc	caaaggagtg	cctttttcttg	7560
cacccaatgg	cataggggagg	cagaattttcc	cctggggaaa	ataaaataac	gccccacttc	7620
cgccgcctgc	gccccacac	accccgctcc	ccacgcccgg	gtggaccta	gcagcagttt	7680
tctgagcttt	caggaattcc	agactgagtt	cactggctgt	gagactagcg	gagccttgag	7740
aatgaattca	aagctggcaa	attcattttg	cctcctctcc	ctcgggtggg	gaaggagtga	7800
tctctccggc	tctgaaggag	ttcaagccga	ggtcagcgaa	gcccctcagaa	ggatgttcta	7860
aaatgggggt	ggggggtatg	tgtcccgccc	tgttcccccg	gttggcccaa	ggtccgcgct	7920
gatcaccgcc	caagaggctg	gtacttttca	ctgtctgtgg	acattaaaaa	agcgagcggc	7980
ggcggcgggc	gcccggggaga	gcccggcgcc	ggcgggcagg	cgggcgagca	gcgatccggc	8040
ggccgagcga	gcgagcaacg	ccggcgcgag	gcggtgaccc	cagccccagc	cggcgcggag	8100
caggagccgg	agccgagcgg	atctcgggcg	cctcgctggc	ctcctcccg	cccagacctg	8160
ccctaccggg	cggtggcggc	ggcgcgctcc	ccatcgggcg	cagcggcgct	cgcgcgccc	8220
ggtaagtttg	gggccagagc	caggcgcccc	ctggctccgg	ggctacctcc	cgctcccccg	8280
ggactctcgg	ggtgcaagcg	tggggatttg	gtgctggggg	ttttccctta	aagtgtcccc	8340
cggagcgggg	cgaccggccg	gcccgcgggg	ctccgctccg	ctctccttgg	cgcccggggg	8400
ccgaggcccc	gcccgcggcg	agctcccggc	tgcgcggagc	cggtttgggc	tgcgcgtggg	8460
ggccgggttt	gtcagggtgt	gcccgggcgt	agtgtggtcg	tgcgcgcgcg	gacccgggtg	8520
ccgcctcctg	ccggcgcgcc	tcacgcccct	gtcccttaca	cccgggggcc	gggcaggacc	8580
gggaatcggg	ggaggggagg	aaggaccgcc	tccgtctcct	tcgcctcctc	tggggagatg	8640
cgaagtgttg	cgccctgtgt	tgtacaggaa	ccgctggggg	aagcgctgga	tttcaggatg	8700
gcaaggggtg	gtggtgttaa	cttgtgcgtc	tgaattttca	gggaaaacat	acacttttgt	8760
aaatgggagg	tgggggcgcg	gttaagtgtg	ttgtgtggga	attgcccggg	gaaagctggc	8820
gpcgggtaca	aacgagaaac	gpcgaggtgt	gtgtgcaggg	ttttctccca	gggcttcgca	8880
agccagaggg	gcgtccaggc	cagtgcctgg	aocgggctgc	cccgjccagg	aggggagccc	8940
agggggaaga	tgtgcgtgtg	tgtgcgcgcg	cgctttgcaa	atacgaaaat	aatttccccc	9000
tgttctttct	tcctctccgt	ctccggcggc	ggtggccccg	ggggagtggg	agggcagccc	9060
gggpcggagt	tggggggccg	gggctggagc	cggggtccgg	ggggggaggc	gggttctgga	9120
agcttgcctc	acattccctg	cgtctgggct	ggggaaaaaa	cagtggggag	cgcggcctcg	9180
ggtcttaggg	cgcgggcagc	gggcjcgcg	cgcctccctg	ctggggacat	ctgtccaggj	9240
agccggccgg	gcggggataj	ggcgpggtgc	ggagjggcagg	ctcccccggc	tggagcggtg	9300
ggggcgcggg	cgagggggcg	cgccctcccc	ggccattgtg	cgccagcgaj	ttttccaggg	9360
agactgcccc	ggagcccgcc	gaaaggcccg	gagccggctc	agcccccggg	ttaaaagaca	9420
ctccagggaat	gtaaaacaaa	cgggcgggag	ggcgggcgga	cgggagcgcg	ccagggcagc	9480
cgggcccggg	ccccccaccc	tcoccgggga	cagccggctc	gcactgcgcg	ccagccctac	9540
ccctctacct	gcagcaaaat	ttttccctct	ctgccttccc	ttcccaacct	gtccctccag	9600
caggtcacag	agcgaggjcc	gctcccgagt	gggcacaggj	tgcctgggtac	ccttgccctga	9660
ccggggaggc	ctgaocggcc	ggtccctgct	tccgtgcocg	gagcccccgc	tjcgccctgcc	9720

cgaggagccgt	cagcttccctg	ggtaggcagt	gcccagagtaa	ctggggccttt	gagcctgcgc	9780
gcctgcctcc	ctccctccct	ccctcccgt	gctccttccc	ccgcgcgcgc	tcccccttct	9840
cctctccct	gactgctttt	ccaatgcct	gacatgaggg	aggaagattt	aaacttggcag	9900
cccaaacaaa	tgttctctca	gaggtccctcc	aagaagctgg	cggctgggct	ggcgggggtga	9960
gggcaaggct	cggccagcct	ttccctccctc	tctgctctgc	cacggacatt	tggagccctc	10020
tgggtggaca	gcccagggca	tgggagagta	gggcccagcc	ccaaagattt	aaaagggcag	10080
tgggcgcccg	cctgtggaag	cccctggctc	cgcgccgggt	gcagagccgc	tccgagctgc	10140
ctcctggctg	caagggtttt	ctgaaggatt	ttcttgagca	acagtttgct	tcctgctgc	10200
aacctgggaa	cgggccttg	tagaccagag	ggtaaccag	tgccgactcc	tcctccctgg	10260
tgggtgtgag	gacaggctgg	ttacacaggg	cagggcagga	ggccagaggc	tgttcccaga	10320
ggtgcctggg	tttgcttatt	actgtttttg	aaggtaacaga	taaagaggca	ggcgccgggg	10380
ctggagagcc	gggcagcttg	gcgctgggtga	attccagcct	gcgttcgctg	gcgcttgtae	10440
ggtcccggga	gtgtgaagct	gctgttgagc	tatcggggaa	gttgagatga	gagagcaagc	10500
tctttcttag	cttctcagc	cccggctgct	ttgtgagggg	gtccagagtg	ggggaaattc	10560
ctggcccctc	acttgctggc	tcctggcccc	agtgcagggg	ccgggtgggt	ttgtgaatac	10620
cccaagcctt	gggctgacct	ttccctcttc	aagtcgagga	tgttgaaaca	tcagcatcaa	10680
acaaaagaca	cattgaaagc	cctatctgct	acagagcacg	tgtgagttgg	gggccagggg	10740
aatgcatttg	gagggagatg	gtgttttctt	ctgagcttta	tgattttcgg	ttgggttttg	10800
ttttcccca	aaggacagaa	gcgtctcctt	gtcccaaate	acgaggtttt	gaaacgctgt	10860
tttcacatgt	aaatctcaaa	agtttagact	tctgagagtt	ggtggcagtg	actgggggtg	10920
ggggctgggt	ggggggagga	gaaggagaca	gtagggagtg	gattcaagag	gtggattttg	10980
cattttgggt	agggcttact	gagaagagtt	gggaataaga	aattgctgga	cttatgaata	11040
aatagccttg	tctatgcaga	aaagggttgc	tggcttcttt	gtggggacaa	aatgtccctt	11100
ttccctccta	agcaaagggg	ggaggagggt	tcttgttcct	ctcacagcca	ggggcaaaat	11160
gaagaaagggt	ccagagactg	cggggttttg	cgacagaacc	agtttctccc	tcacgcacgc	11220
gcgcacgcac	actcacttcc	ctagccacaa	taacaacgat	gtctccatcc	ctggccccc	11280
tagatatgcc	tccaacatag	gacagggtgc	catgcttgac	tcattccaga	aaattgcagg	11340
ggcaaggacc	caactgagaa	gagctgcaga	cttcactttt	tttctgtttt	cttctgatg	11400
gcgggagggg	tgaagggtt	taggaaggaa	ggcactttga	ggcctgctgc	atcctgagag	11460
ttttgtcaca	agaatacctg	cgtataaagc	cactgaccct	gaggggtccaa	cgagtggcca	11520
tgaccctggc	ctcagggtga	ggcattgttg	taagaaattc	aggcaccaac	caattaattt	11580
ccagaagcct	ctgtaggcac	ttggctcgtg	gaccaggaag	cagggcctgc	tggttcgtgg	11640
ctgggtccctc	tacattttca	ttcataactt	tgtcccccag	ggccctgggc	cagccctgt	11700
cactgctgcc	tggcttttat	gaggctccct	agattttgtg	tggacaacaa	aggccaggct	11760
gccacgatta	cccaggacac	tgtctcagcc	ttgctgggg	acagctctga	cctcttagca	11820
ggatatagtg	ctctctgctc	atgccccttg	ggggagtgtc	ctttgtccct	aagagtccct	11880
caggatgggg	aggcagcaat	ccacctgggt	gtaagctccg	gggcgttctg	aggttggggc	11940
ctgccttttag	agaggatgaa	gggaggaggc	tgagaaaagc	agtccatagg	ataggctctg	12000
gggagaggct	agaccccatc	atgattgaga	gggtctccct	attacgggag	gagatggggg	12060
agaggaccaa	ggtgtcagga	ggctgttgct	tgtatctgtg	gttggggccag	taactctcct	12120
gtgctggacc	ttagtctcct	gatctgtaaa	atgggtctga	gggcagaaat	cctccgatcc	12180
cacttggttg	ctgggagaat	gaggcagatg	tgggcagtag	tcccttaggc	atgtgtccct	12240
tgaaggcctg	ggaggctctg	ggtacagaat	gggtagaaca	caaaagggtt	agattgcaag	12300
tgttagaagc	attttgctga	agctgctctc	atccagacct	acttccctgg	cagctgattg	12360
tccagtcttg	gcttgcatgc	ccccacaggg	acagggtact	cattacccct	tggaaagctc	12420
tgccttcagt	gggcagttgt	gagtgttaac	atgtctgtgt	acatgctctc	tgcacaaatca	12480
cabctctctga	ccccactctg	ggcttgagat	gctggggggc	cctccagacc	atagactcgt	12540
tcttctctga	atgatccctg	gttcaagacc	agtgcctagg	caggccctta	ggtaggggga	12600
caatttcaag	tgtgtctctc	tagcccttat	tgggaatgac	ctgtctgtgg	gggtgcagaa	12660
gggggaaggg	tctgcctggg	ggtgtcact	gtcatctgac	tttgtgtgac	aggtttgctt	12720
ctgggcactt	tccctggagc	gggttatgag	aaggaaaggg	gtgctgtatg	agggctgggg	12780
ttgggtcggg	ccggccatgg	gtgccacagg	tgttgactgt	gagtgtccac	cctgtggata	12840

aagactgtgt	cctgggagag	accagaactg	tggaagacag	ttcctgttcc	tcaggagccc	12900
acagtccagt	gccggcagga	agatcagtc	aaataaataa	ttaaccgcta	ccagctggct	12960
gcctgccacg	ggcgctgat	gacagtaata	accacagccc	ctctcctttg	tatggtactt	13020
ggtggattta	gaagcttttt	ccatctttgt	ttatcccca	taacaacagt	gtaagctagt	13080
tactatttgg	aattatcccc	atttaacaga	gcagaaaacc	aaggttcaga	gcggtcaaac	13140
aactggtggc	aaagttagga	ctgaacctca	ggccttaccg	ataccaaccc	ctgcgctgoc	13200
tcctttccag	tccactgagt	gagcgctcca	gccaggtcgc	gacacggtgc	agagtcagga	13260
taggctccaa	aactgggtgc	tgggggaatg	aggtgaagga	ggagccattc	tcaggaaggg	13320
tcacagatgg	gcctcacctg	tcttccccct	cccataatgg	agcacatgg	ccatgcccc	13380
agtagctgtg	tccttttctt	ttggcacagt	gtcttacagc	cagagcttgc	ttcgagacac	13440
aaatcctgcc	ttgactgccc	agggcacaca	ggtctataca	tggggcttca	tgcccttctc	13500
cggctctgga	gtaggaggca	gaggtgtttc	cagccccccg	ggtccccatg	aagcccagtg	13560
ctcttccctg	ggttccctatg	gtttctgtag	tcctctcttcg	ggctgagtca	gtccccaggc	13620
tatgtggggc	acccactccg	tgtgagacct	taggttcttt	ctgccccctg	cagcctccac	13680
ccttgggccc	ggttttctgt	agctcagctg	agtgccaccc	taggacaagg	ctgtagctag	13740
tgggggttcag	gccggggagc	agccgggcag	gctgagctgg	cacctcccca	ggaagcctgg	13800
cccagcctgg	cacacctgtg	caggtaatga	ctgtggcttg	ggagggcccc	aggccctgcc	13860
tgtcaggccc	agctgctgga	gttactgcag	gattgtgctg	ggggaggctg	gggtgtctga	13920
gctaattaga	tttcttagat	ttcaatgctc	ccctaactct	gttagtctgg	ctgtaattgt	13980
aaccacttga	aggtttcggc	tgtggcaggc	tgttgaggac	agacggtggg	gggactgtgc	14040
tctgccccag	cccagctcc	acccttagac	agccagctga	gggcctgggg	actgccttct	14100
taggtcttga	ggatgggggc	ttgagtgatg	gtgggtgtcg	tgtttttctg	tagaaaactga	14160
gtatcgcaga	ctgtcagagt	ggacatagcc	ctttgagatc	accagctca	aaccttccac	14220
tgttcagatg	gggaaactta	ggcccacaga	gggacagaga	ctggctcagg	accttgatgg	14280
ctggtagcag	tggagcatca	aagactagtg	gtctgacttt	gggatatttg	tccttaggca	14340
cttcagggaa	agtctggaat	ttccagggac	tagtgaaccc	tccagagact	tctgccccca	14400
gagatagggc	ttggggggct	tcatttgtcc	ccaagcttgt	tccccagttg	gcagttacct	14460
gtcttatatt	ccccagccc	tgtgtgtgtg	cacacctgca	cacagctgca	cacacatgca	14520
cacacatgca	cacctgcaca	catatgcaca	catgcacacc	tgcacacatg	caaacgcacg	14580
cacacctgca	cacacatgca	cacactggcc	ctgctggcca	gggcttctgc	caggactccg	14640
gctgcctggc	ccagggtcct	gagacctgag	agctctctcc	gtcctccccc	accactotta	14700
gccagatact	tgccctcttg	gagcctctga	ttcaatgcag	atcaggaaat	ggccaagctg	14760
ttctgatggg	ggtgtgtgtt	aaaatacata	cactgtactt	tccccagctc	tttcttccga	14820
agttctgttt	tgggtgtctg	cttaaatgga	gatctgtcct	ctctcccccgc	accccattct	14880
cacttcccaa	tcgcaggggg	atgactggca	gggaggatgg	ggacggtgtg	ccttggatct	14940
tcccacttag	gtcctgtgct	gccctcctct	tagctcggga	gcttcggggg	aagatctgga	15000
aagccccttc	cactgtgaac	ctctctgaac	ctgggggttg	aattcctaag	cttgtagcat	15060
aaaattagtg	ggaactgatt	gcgttaacct	gtctggcctt	tcctttccca	gccagggaaa	15120
ctgaaccatg	gaaagaaaac	cttgggtctca	tccaaggcca	gcagcgaatg	ggtgacccat	15180
ctgggcctgg	aaccccatct	ccgccagctc	attagctcat	gaaacatgta	ttgagtgtgt	15240
gctgttggcc	tggcacagcc	cccttagcc	actcttgagc	tcattaataa	atgctcttcg	15300
ggtctgatga	gaggccacgc	tgaaccttgg	gggtgggggt	cacttctgag	tgtccagggt	15360
gaggacgaag	gatggggagt	tttcagtggc	attcccagac	tcccagatcc	tctgcagcca	15420
ggggagtgtg	gaacactcct	ggtctggcat	tagagccctt	gccagccagc	atgtgtcttt	15480
acagggtggt	tgcattgtga	atttgagaga	agtaaaacag	ggccggggcc	agtggtccat	15540
gootgtaatc	tcagcaacttt	gggaggccca	ggcagggtga	tcattgaggtc	aggagtctga	15600
caccagcctg	gtcaaaagtag	tgaaaaccca	tctctgtctaa	agatacaaaa	attatctccg	15660
catgatgggt	gtgcacgctt	gtagtccacg	ctaactcgaga	ggttgaggca	tgcagaaacac	15720
ttgaaaccat	gaggttgagg	ttgcagtggg	ccaagattgc	accactgcac	tccagcctgg	15780
atgacagagc	aggactctgt	ctaaaaaaat	aaataaataa	aacaaaacag	aaaccatcta	15840
gggagggtac	aaggtttctc	atctgcgcgg	acctgtttta	gccaaagagg	tggtagcttc	15900
ccatacctcc	cctctccccc	ccagccagcc	ctccaggagc	tgacctttgt	ccttttgcaga	15960

gcaaattgacc	cactgacttg	gtcctgcctt	cacttccctt	gtgtatgggg	aagcagggag	16020
gtggccttct	cacccacccc	taggagtcac	ctgctgagag	tcacctttgt	cagcctaggt	16080
gagagcacac	taggaagagc	cagctaggct	caggacaaag	gaggagatgc	caggtgcctg	16140
gaccttgccc	tgtccacagg	ggcccccccc	aaactccctac	ccctactccc	cggtggacct	16200
tgaccgcccgc	tgggaagcac	agtgcacagc	tctaaccact	cagcgacctc	gccaaaggatc	16260
agcaggggcac	agagacctct	gggaagagtc	ctgaaaccct	ttcctggtgt	gtgcaagtgg	16320
gacgcgacct	tataggggtct	ctgtccaacc	ttcttatttt	ccacatgggg	aaacccaaag	16380
cccagagagg	tgggtgggatt	ggctgggggt	catacagtgg	ggtgtctcac	taagagtggg	16440
gggttctgtg	gtctgggtgg	ggaggggtgg	ggttttccat	cgaaaaatgg	tgttccatcg	16500
aaaaatgctt	tgggtgttct	gctgttggtt	acatacttaa	aacaacttgc	caaaggtctg	16560
ccataaatat	aatagccagc	atattattgg	caactaatgt	gtttcatgct	tttcccagac	16620
tgccctgggtt	cagccctcag	ctctgctctt	tatgagctct	gtaacttttg	gcaagtaatg	16680
tttaacttct	ccgacttttg	tctccacatc	tgtaaaacag	gcttactagt	ggtgtagtaa	16740
taactaacat	actacctcct	ccataggttg	agaagatgga	gtgcgcaaac	ttcctggcac	16800
atagtaagtg	ctcaagaaaa	ggtagcccta	gtcatggtca	ccaccagcat	ttccattgcc	16860
ttacctctga	tttacagatg	agacggtgaa	gtcgattgcc	caggtcatgt	ggtgcctgga	16920
gcccacccaa	agcggcctgc	tggcacctag	gcttccctgat	ctccaactcc	ctgcctgttt	16980
ccacactctt	gtgtagcaca	aagggctggc	ccatcatctc	tgagaggccc	ccagtcagtc	17040
ataacccaag	tacattgtaa	ttcaacctac	tagggcagct	tgttccccct	ggaaaggcgt	17100
tcgagaggga	ggtgttgcat	ctgggcttct	gtctgagaag	cttatttttt	tcatgtgtaa	17160
actgaggctc	ataataacaa	tacctacttt	ttggaactct	ctcgtgtgaa	gggaaggagg	17220
ccacagaggg	actgggcttg	tcagttgtac	cctattatgt	ggaatcacta	tgaatggtaa	17280
ctgactggaa	cttctggcca	gtcactcacc	cctccgagcc	tcagtttctt	catctgaaga	17340
ccatgagccg	aaacaacata	atctcttccc	gaagtggctt	ctcaggggcca	ccagtcoccca	17400
aaagcaaaaag	agaggggcagc	agagcacccc	cacccccaaag	aaattgtcaa	acctattttgc	17460
ctggaggaga	tggctcagag	taaatagtgt	gcttccactca	gcctttccccc	agactacaga	17520
caccacccac	ccccgacttt	tttttttttt	tttttttttt	tggagtgcag	tgggtgcaatc	17580
tcagctcact	gcaacctctg	cctcctgggc	tcaggtgatt	ttcccaccac	atcctcctga	17640
gtagctggga	ctacaggcat	gcgcacccat	gccagctaa	tttttgtatt	tttttttttt	17700
ttttttttgc	atatggtggt	tcaccatatt	gccaggtctg	atcttgaact	gctgggctca	17760
agcaatccac	ctgcatctgc	ctcccatagt	gctgggatta	caagcatgag	caccatgcct	17820
agccccaccc	tttttttaat	gcaaaataac	tatggaaaag	accaatagac	cattttggga	17880
aacgcccgcg	taaacagtc	ctttcagctc	aggcattgca	gtcccatcca	gcggatgggt	17940
tacctactga	agaaccacct	ttccaggggga	gcctttcaca	gaggagagga	ggggacagtg	18000
tctgcagagg	cagaagtctt	ccctcagccc	tgcctttctg	gcctttccac	ctctttttta	18060
cccacccctc	agcctccac	ttttgcgggc	ctccttgtct	tttctttttt	tgttacccaga	18120
ccacaaatct	gtttgtgggt	gggcagtcct	aagagcaagg	ccaactgggc	agaggggtgg	18180
ggcctctgcc	atgtccctag	agacaggccc	cagagttttg	ctggctgtca	gagccagaag	18240
gggtttgttt	caccctgtgg	ggctgtgggc	cccagaaacc	tgtgggtcaag	ccttttgcaaa	18300
cgtgcacttt	cctggagagg	tggctctgaag	ccttggtttca	gacccctaat	tcaatgtgga	18360
cacctggaaa	cagtgtcgaa	actatagcct	tagtccaaag	gtctgtagtc	cctggccggt	18420
gaatggagtg	gaactgtcat	gttgcccttc	tcocccctct	ccattccacc	tcagtcgtgt	18480
gactcttgaa	gatgtgaata	gatttatgtt	cacacctctt	gcttctaatc	cagcttgaca	18540
tgttccctgg	aaggaaaact	tgaccaaggg	atgtgaagcg	acttgaccaa	ggccacaggg	18600
cctggcactg	gggcgggggg	ggtccaggga	atgatgagtg	agtggcaggc	aggcatgggc	18660
ttctgcagca	gctgacttca	ctgtgaagcc	atcccatctt	gtctctgtgt	agacctacta	18720
gggtgtgttg	gattcagtgt	cccagaaaag	gctggcactg	gggtgaagga	agtcccccgc	18780
cagtcocctct	tctaggaagg	ctgggcaggga	ctgggttagg	agttgcctcc	tctgggtcag	18840
gaggtcagct	tctgctctgc	aggctgcact	ttgtgggtcc	cgcccagggt	catgggtcct	18900
cttcgggggg	tgtggggacc	actggcactc	atattgaggg	gcacaagggt	tcttcagatt	18960
gcccggctgg	tgtaaagctg	ttaggagtc	ttagctgggg	ttgttgtgct	gttgggtggg	19020
agaggcagcc	tggggcctcc	agagagccgc	tggccggcca	ctctgtaatt	gtgcatjagt	19080

cactctgcct	ccctgctcgc	agtcctcatg	tccccacett	cctgggatcc	tgagaagtgg	19140
gctttgtgat	ggttgggagc	aagtaagggg	atttcttggc	tctccgcctg	tctgcctgt	19200
gtgcccggca	tacctgagct	ccacaacctc	cctgcgcctc	agatcctggg	agaagagcag	19260
aaagctcggg	tgtgactttt	tttttttttt	tttttttttg	agactgagtc	ttgctttgtc	19320
acccaggctg	gagttcagtg	gcacgatctc	ggctcactgc	agcctctgcc	tcccgggttc	19380
aagagattct	cttgcctcag	cctcctgagt	agctgggaat	ataggtgccc	acaccaccat	19440
gcccagctga	tttttgtatt	tttagtagag	acggggtttt	gccatattgg	ccaggctggg	19500
ctcgaactcc	tgacctcagg	tgatccgccc	gccttggcct	cccgaagtgc	tgggattata	19560
gacgtgagtc	actgcgcggg	gcctcaggtg	tgatttcttg	tttgggtgtt	ggcgatgggg	19620
ctgtgaagct	gtgagtttga	cgtcagttta	tctcctgcaa	aagaatggcc	ttctgattcc	19680
tcccacctgg	cctgggttga	catctgcatt	tctgcttggt	cttcatctgc	aggactgacc	19740
ccttttaggca	gaaggagtgg	gtctgcattg	gggttgggaa	tctcatggg	cctcagaagt	19800
cttggcgcct	tctgccttgt	ggatggcctc	cctcctagcc	agctccccag	aggggtctgg	19860
gcagctctgc	tccacccgaa	ggctctggat	gctcctattt	ctgggtattct	tggcaccttt	19920
gattcccaag	accatttagg	accttggcgc	ccatctcatc	tgatgcctgt	catacggatg	19980
acttatgccc	catctacgct	atccccatag	agcaccttcc	catgtgggct	tgcatgcctc	20040
cacggacagg	ctgctccctg	cctccccagc	agctccctct	gtctagaaag	ttccacatcg	20100
tatggagccc	agaaggatac	ctctccccta	gttctcttct	caggaccttg	cagaatgtgg	20160
tgaatttggg	cctcaggaag	tctcttccat	tctctgcctc	agagattgta	tctcgggaga	20220
cttctctctg	ggctgagttc	aaggctggag	aaggcagaat	gggttctctg	gggaggtggc	20280
cttcttatac	cccttgggcc	ttattatctc	tgctcttggt	aagagtctgg	gcagcttgga	20340
gacctgagac	ctgacctgaa	aatagcctag	cccaggttgt	aagacgtggc	agtaggtggg	20400
ggaggccaca	acagtggctc	actggggccc	taggggaaga	aagtggctctg	gcttctgctt	20460
ttcaagcagg	gtcagacatt	ccaggaggct	gagaaggccg	tctgtcttcc	tagcctcttg	20520
cagcatgctc	gcctgccact	gcagccagag	ccccctcact	ggaggtagcc	aggggtctgt	20580
aatagtgtct	cctccctctg	ggaccagcac	ccagctcctt	actgagctcc	tctctgcctg	20640
gccttgcctc	ctgccactta	ggcgcatctt	gcctaagtgt	ctacaggccc	ctgagacctg	20700
ggctctgtgc	aaggagcgct	ggatttagag	acagaacttc	tggcctcctc	ctgccagcat	20760
cgctgggggg	tgctgcacga	gtccaagggg	aaggccagca	cgttgcatgc	tgtccagtat	20820
cactgcacgc	gggagtgtaa	tgtttccatta	ccatgtgcaa	tgatggtaat	ggcagcacag	20880
aaaggccctg	gagaccatcc	aggccaacct	tctcatttag	atgctgagtc	aaaccccaga	20940
ggggacgagg	tcacacgaca	agtccttggc	agagctggag	ctaaaatcca	ggtgttccca	21000
ccatctagcc	agtgcgccagc	cctgcctggt	actccacaga	aaccttttgc	tggagtaagg	21060
cacaggagag	gtgcctccat	ggctgtggca	gtggcaactg	cctggcctgg	gactcacctt	21120
cctcattttg	caaagcggtc	gggccttttc	gctctggtct	tgccaccag	aaacactcgt	21180
cctgggggca	ggcaactcgt	gcctatgggc	ttggtaagac	agctggctcc	tccagcctgg	21240
gggcgcgtgc	cctatagcag	gacactttct	ctcacttctc	ggcttatatg	gggtgcctt	21300
gcattccgcc	ttgggtggca	acagggtcct	caggagccca	cctgagacct	cacgccacgc	21360
tttttggtct	atcaggctca	tttgggtggc	tagaacatgg	cttgaattta	tgggtctgaga	21420
tgcagcctgg	tgtgatccct	tccaggcccc	taagaacccaa	agatgccccaa	actattggag	21480
caggaggggac	ctgggcagcc	agtctactta	atgcctctct	catcccatct	cccagattag	21540
agccctgagg	ccagagaggg	aagggaatcca	gctgcagagg	tgcaggcagg	atcccatgtc	21600
ctccagcct	cactggcttg	gtctcctcct	acttccaccc	tttgcgcctg	aggctgtcct	21660
tggccttccc	aggcttttgt	tggagtgaag	gaagatgggg	gacaaatggg	agagttagcaa	21720
ctgctaactt	tccctcaggg	ctcctctaga	cctctgcacg	gccttgcctc	gcttccagtt	21780
ctggggagcc	catgcaactga	atgggtctgg	agggctctgc	tgggtggggc	tgttgcacgc	21840
ctgagaacaa	ggcttctctg	ctgggtttga	gtccccagca	ctctggcctc	ggggagggca	21900
gagtctgggg	tcttttttgt	cctccctctg	cccagctacc	caagggaagt	ggattccatg	21960
attcctttgt	caagttttatc	aagcaccttc	catgtgcacg	gcactcttcc	agggcctggg	22020
gatacattgg	tgaatttgac	aggggacctg	cttacattct	agtaggcagag	acagtcagca	22080
ggtaacaac	ttaatgcctg	acatcctgcc	tgagttataa	tcagtgtctt	gaagaaaaat	22140
aaaccaggat	aaggtgatat	agggacatga	gtgggtgatg	gggtctcttt	agatgggtgtg	22200

gtcaggggaag	gcttctctga	agaggctgca	tttgagcaca	tacctcaggg	agacagggaa	22260
gtgaactcca	tgaacatttg	ggagaagagc	tctccaggca	gtgggaacag	catgtgcaaa	22320
ggccctgtgg	cagatgcttg	tttggcgtgg	tctgggaaaa	gcagggaggc	cagtgtggct	22380
agatggagtg	agggaaggag	agagtgggga	ggaagtcaac	agagtgatca	gggaccaggt	22440
gataagggac	agagagcctt	atcaagtaca	ggaagggctt	ctgacttcat	gctcagtgat	22500
ttggaagcca	ctgaaggatt	ttaagtaaag	gactgaggct	atcagatgtg	tcctctaaga	22560
tctctggctg	atgagccgag	aatagactga	agggacaagg	gtggccacaa	ggagaccatc	22620
tgggcagcat	ttacaggaac	ccaggaaagg	atgctggcgg	cttggaccag	agtgttcagt	22680
ggaggtagt	aaacaaggct	ggatcctgaa	tgtattttaa	agattgactg	aggctgtggc	22740
caggagccca	ctgggaatgc	ctgtccacct	ccgtgaaaca	ggctgagcta	gagaactggc	22800
tcaagttgct	gtgtcctggg	agtctgagcc	cttctccttt	tgtgcttgte	aattcctgtg	22860
cctcagccac	tctgtcataa	ggtggccttt	taacagttgg	aaaaatagag	gcatagtggg	22920
tcttcctgat	acccttgtct	acccttggaa	ttctgatatt	ctgcatttgg	tctctctcct	22980
cccctctggc	tgattccctg	gcattcatcc	cctgcagtgt	catacactcc	actctatgca	23040
ccatagtttc	ccaacatggt	agtcatacct	tatcccagag	cctttgcata	tgctaagtc	23100
tccacctcca	ctcttcagtc	agggtgaact	ctacccatcc	ttaagagccc	agctcaaaa	23160
ctgccatctt	tgaactctct	cccctgacac	tctcaggcac	tgaggatttc	ttctccaact	23220
aaaattctac	tcctctccct	cccacactct	attgcaaggg	atcaactgcg	tggggctggg	23280
tctgtgcctt	ccttcacacc	tcctctttct	gttctgtgtc	ctcacagcct	ggcccagggc	23340
cagcacagag	gagggaacaa	aaacatttca	gtgtattcct	ggagcagtag	ttggttacta	23400
tggaaacaag	gaagtgttgc	aacttctctg	acttgaggtt	ggggtcaaag	agggcagctc	23460
tatcttggcc	acacgggata	aaccacaagt	ggccatgctg	aggttcttat	taattcaaag	23520
tcacttcgga	caggctcttt	cccctccctg	agcctcagct	taccccatca	ataagatgca	23580
ggtgttggga	ctgcttgact	gtctgtctca	acgttctgta	tccttgtgcc	tccaatcctg	23640
ccgtatgaac	acaggcaggt	cctttgcccct	ccttgagcct	cagtttccct	atthtgttga	23700
cctctctcca	agaacatagc	tgcttgagtc	aagcaactcc	agaatcctag	ggtcagcggc	23760
tgggctggcc	gttgatgatt	gaactgggat	tcttgtgact	tgcagaggca	caaagaggga	23820
agtccctgct	tccagggtgg	tgggggtggg	gtgggggaat	gaggcagcag	gagggtgggt	23880
tggtagggat	aatccaggcc	ggctcactct	ggcctgaacc	tgcacaggcc	cctgggtctc	23940
ctttcttcac	cctgaagggt	gcaggagcta	gtgcttgcca	ggggcccttg	gctctgccc	24000
acgctgccc	ctccgcattc	tgggtgccgt	ccatgtagat	cccggcctgt	gctctgagg	24060
ccacaggtec	tgtggtggcc	ccagaggctg	cctgctgect	gtgggtggcag	ggctgagtgg	24120
gtgggcacca	tgttcttaact	gtgtctcttc	tctctccact	tcattgctca	gaagccaaga	24180
gttagccaag	cacaaaacca	cagcctgggt	gctggcaccc	tcctctgcaa	ccctgcagca	24240
cctgggcagg	ctggttctg	gggctcagca	ccagtcacca	gggctcggat	gtagcctcct	24300
caagctgggg	gtgggggtca	agggggccaac	atgcccagcg	tgaagccagg	cccgagttg	24360
agttccacc	tgccatttgc	acatgccatt	gggcagagtg	ggcagaggcc	tcagcccga	24420
taacgcccc	ccctgaactc	tgccctggcac	tcagggtgcc	tctggcctgc	accagaccca	24480
gaaagagtga	cctgggatga	gaggccttcc	atggctctct	gggootgect	cctcatctga	24540
aaaatgggca	gagggtgcct	gcctcccctg	gccaccagg	ggggagacag	aggaaggcag	24600
cttgtgatct	ccagagccca	ataaacacac	ttgttaggat	taccagcagc	aggcaacagg	24660
cttcagccca	agagatgccc	ctgagaacct	ctttttcagg	aagcaaaaag	ccaaaccttt	24720
tcagaatgag	actcttattc	tgggaatgag	aagtgtctct	ccctctgttt	ctgagctgtg	24780
cccagtggcc	agggaacctg	gtggccatca	caactgtctc	ttcccgctta	ccactgctcc	24840
ctggctttct	agggttggag	ttggatgaaa	cccttggggc	agcacccggc	actggaagg	24900
ccctgttaag	ggagaggata	cccaactgccc	atctctggca	ctcatcagct	tcctgaacct	24960
gacgagtcc	tgtctctctg	ccctctgtgc	attgagggcc	cttctagctg	ggactctctc	25020
ttggagtcta	ctggagcatt	tttacctcca	ggataggtga	ggctccctac	tcagaccccc	25080
caggatgtaa	tgtgggtctc	acctcaactc	acaaaattct	cacttctgtt	aagaaaagg	25140
cctgccatgg	ttgacgggga	tttgcaactc	acgggtgtgga	cagtgaacaga	atgcgtctcc	25200
ccgccccctc	ttacctggca	aactttgtca	ttacctctcc	ccagggaact	cctaggcatt	25260
ctcctctgga	ctccctcagc	cctcagcctt	ctcctcctcc	cggtaccagc	taggtcagac	25320

aagacctgga	gcagagaagg	tgcccagtaa	agcctgatga	gttcttgaat	gatcaagtga	25380
aagccctcag	gtatccagat	agttcagttg	gccagaaagc	ccatttttct	cagatttttac	25440
tcagctatgt	ttgcttggtc	agcatataga	atccttttta	tttttattac	ttcatttttat	25500
tttgtagaaa	ctgggtctca	gtctgtcacc	caggctggag	tacagtgggtg	tgatcatggc	25560
ttactgcagt	ctcgaactcc	tggactcaag	cgatcctccc	acctctgcct	cctgctggga	25620
ctaccggcac	gagccatcac	cccggctaata	tgaaaaaaat	tttttttgta	aagacgaggt	25680
cttgctttgt	tacctaggct	ggtaggatct	tttgttattt	attttttatt	ttttaatttt	25740
tatttttttt	aaagataatc	tttttggaag	ctctgtgtcc	aggactgatt	ctctatacct	25800
ttggccaatc	tctttctttt	aaaaccaggg	tttcttgaat	tgcatttttg	catttctttt	25860
atttacctgg	tctgtgcaac	tatttttttc	tcttttggaac	tccatatagc	aaataattct	25920
gcctctcctt	ttatttgaat	ttctcatgcc	aaaaaggcag	ggagggttag	taaacactgc	25980
tttggttggt	ctttgttttg	ttaagtgttt	ttaacttctt	agtgtgttag	attagatttt	26040
atctgccttt	cctacctgcc	ttaacccag	gcctctaacc	ctccaccttc	ccattgcttg	26100
ttcactggca	ttgtgtctcc	taggacagct	gtgtgtggta	gcgcagtgtg	cgcactgcac	26160
aagttagggg	tggtaactcac	atttttagtcc	cctcacatta	tacatgtatt	agatgatttt	26220
ttggcagggt	atggtaaaagt	gttggaggaa	ggggagcctg	gttctaattc	tcataaagcc	26280
accttggatt	aggagtaggc	tgacattgtc	ccatggtcct	ggctgaaatt	gggaagtcat	26340
tttgactcct	ccccagggtc	gtaccccggt	acattgggtg	tccatgtccc	cattccccctg	26400
cccagagcat	ggcttatggg	agtatgtagt	cagggaactg	atgtcttttg	actccacctt	26460
ctggatgttt	ctccagccac	ctctcctgtc	tacatcccca	ggcagcaacc	ttctccctca	26520
ggtgtctacc	tccagcttcc	ccttttccat	cgccccctca	cttggctacc	agtgtgaacc	26580
tgaataaaaag	gcacccctga	tctatcacct	cttccactct	acttaaaact	ccttcgtgcc	26640
tctctacgat	ctacaatctg	aaattcagtg	ccttccattc	tctggcccca	gatgaacttt	26700
cacttgtgtg	tgctttgcac	gttgtgttcc	tctctgctct	gtctgcctgg	agaactccta	26760
ggcatcctgc	aaactctgcc	caagcctcag	cttgcctcca	tgcaccagct	aggtcaagcg	26820
gattggctct	ccccttgccc	cggttcccca	ggcactgttt	cctgaccagt	gttgacagccc	26880
ttgcttggca	ggatcgcagc	tacctttaga	ataccacagc	caccaccagg	ctctggctcc	26940
ctgtcaccca	gcagcaccag	cttggatcta	gcaaacattc	cagtgcgctc	cctgcaagtt	27000
gaataacaca	tggtaggtac	cctttccag	agctggctgg	ctttgtgatg	tggaccatgt	27060
gcatggctct	acccttgccc	ccttcttttg	ccctttcccc	tgccagccaa	agccagagag	27120
atggctgggc	catgccaggc	tcccaggagc	gctttgtggg	tcaggttggt	ttgcccaag	27180
ctactgggtc	tgaggatacc	tgtgagcttg	ctgtgcctgc	attgcogctg	cccaggcttg	27240
gcttccctgg	agaattggct	cggcaacagc	agcctgggccc	aggccacaag	gcttcttggg	27300
caaaactccg	tgggcagggc	caggggctgg	ggcctcatat	gcactgcctg	tgcaccaggc	27360
gagtctgtgg	gcaaatgagc	tccagcttgc	catggtgctg	ggggaggggc	acccttctgc	27420
taggtaaaaca	tgggtgttca	ggcctgccta	ggcaaggccc	tgggtctctt	cgggttaaagg	27480
tgcaggacag	cattttgtcg	agccgggagt	tgccagttag	agggtagacag	agagggacac	27540
atgggaacct	tcaccaacct	tccctgggac	tggccccccta	caggcttttaa	gcagaggctg	27600
caaggaggct	taggggtccc	tgggcccagg	ctactgttcc	gactctgaga	tcttttatct	27660
gctgcaatgc	tggctgcttt	ctgggaactg	gggaagggtg	gtgggctgtg	agcagggtgc	27720
tttccctaagc	caggcttgag	accagagctt	ccatttagcg	gtccccaactg	caaattgcatt	27780
tcagtccttg	ctccccaggg	caaagctcac	atccttggga	acatcccttc	tgcaccaggc	27840
atggtaacttc	ggggtctgga	gactgtcgca	gcacccctct	gaagtgggtg	gtattatccc	27900
attttgcaga	ggaggaagct	ggagttcaga	gtgtggaact	tgttcagcct	ccacagctgc	27960
tcagggaatc	aggtcttcta	ctccctaact	gaggccacag	cttgattttt	ctttctctgg	28020
cctgggtctg	ttgtacaaac	gagtatccct	tggacatggt	tgtctgcccc	tgcacctccg	28080
acaggacagc	gtgagacagg	tacctggggt	ggtgcacac	ttggggagggt	ggacagtag	28140
cctcagagcc	cgaagcaact	ggtgggggtc	attcccatgg	aggagaggtt	ctccgtgggtc	28200
cacggccggga	gcctccgcac	gtcagatcct	tctccccacc	cagatggagc	caagtgggccc	28260
ccacatcagt	gaaggaaaaa	gcccttgggt	cttgtgcaaa	cacaaattgt	ggaagagtgg	28320
catcaacaa	acgaggtgct	cccctatccat	cgggtccact	ttccttctat	gagatgaact	28380
cagctcaggg	tgttttgtgc	cttctccgggt	ttgctctagt	ttggtttttg	tctggtacaa	28440

ttgaagtctt	tgctctcttc	cgacagaagc	actggacccc	tctccctggg	ccctgaaaac	28500
ccggaggggt	actgggactg	ctgtgttgga	tcagaggagt	caggtagaaa	ttgggggttc	28560
tgggtgcagg	gagcacttga	ggtgcctgct	gcatgctccc	tgaagacaaa	atcccaggga	28620
ggatgtgtca	gttccgaggg	ccactgagat	caccacctcc	gtgagcatga	gcaagacctt	28680
attggccgca	cctgggacag	ccttcctggg	cagggccagt	cctaccacct	cctttgtccc	28740
tctcccactc	cccagacccc	caccccctac	ccctcaggcc	acctgctccc	tttttaccca	28800
ggcacatgtc	catgtgtgcc	cttacaagct	cctggctttc	ggaagggagg	ggacagggtg	28860
tagagagacg	ggatgcgcgg	gagtgttaatt	ttatttctgt	ggctctcctt	tcaagctgtc	28920
acggtaaata	tattttactt	gtcactttgt	aaatcattat	gcaggattaa	gcctttttacc	28980
agcttttaag	gcttctgcaa	ccagggacaa	ccccacctct	ccctcctcct	gccttctttc	29040
cctcacctcc	cttctgaatg	accctactgc	tgtgtcttaa	ggctcagtta	gaatgtaagt	29100
ggggacccag	gagacagctt	gctgtcattg	agtttagctg	ccccatttta	caggtgggaa	29160
aacaatccct	ggagagggag	ggactcccag	gtgcagtgcc	tgggggtgctt	agtgttttgt	29220
ggtgcccctg	agcagtgggg	agggaaagtgt	ctgaaagcaa	ccgagcctgg	gcatgggact	29280
tggaggggtt	tttttctcat	cccccatggg	gacctggagg	ccccctgtgg	ctgtggcaag	29340
attgctcaag	accacaaggg	agaccccggt	tggagagagg	gacataactg	gagggagaga	29400
aggaccttct	gccccctctc	aggggtgtggg	gctgggtgggg	taggggactg	gtgacaggaa	29460
gctggaggtg	ggaatgtggt	cacagtcacc	ctactggcat	gtgggatccc	gtttatttat	29520
ttctccagaa	atctgtgtcc	ttctccagag	aaggctttga	ggtgcaagaa	caatgaagcc	29580
atgtgctgag	atgttgagag	ttgcagatag	tggctgggac	tactaggcca	agagccagca	29640
gtgtgcagcg	gtgcgtttcc	tttcacgggt	ccatctggag	cagcctgctc	acaaaaccag	29700
agtgaaga	tgctcaccca	caaggctgat	gtgcattgtg	ggagctgagg	tttggggggg	29760
gcccactttg	agaagccagg	gatgtatgtg	cccaggggcca	gactgcccag	ctggggccatg	29820
ccgggtttga	cagccttagg	tcttgcctgc	ttttccatcg	ggatacactg	gcctcatcgc	29880
caggtcaagg	gcttctctcc	tattgctggg	gttccagggc	tgtcctctgc	ccgtctgtgc	29940
caatagaggg	ccccgccttg	gggggcccac	actcacctgt	cctgcttcca	ccactcccca	30000
cctagacctc	tgctgtcttg	agcccagatg	aattaatctc	ttgcagcaat	ttcagtctac	30060
caagagacct	tctccagcat	cttctagggg	agggctctgt	gctttgggga	agctggactg	30120
ggtgacattc	atttccacag	ccctctttgc	tttccctggt	caagccacca	tgatgtgcaa	30180
tggcagctgc	cttttttttt	taacttaaaa	ttttaaaatt	ttgtgagtac	ataagtagggt	30240
atatgtattt	atgtgggcaa	ctgcctatatt	attggcctat	ttctagactc	gagctgttct	30300
gcaaagccag	agccttgtct	cttatccctt	agcacggggg	ccataacggc	acaggctaag	30360
gcaatatttc	tccattagaa	ggatggccaa	acaagagtc	tcagacctg	acctcaagga	30420
gtttcacagt	ctgcattgga	aacaaccttg	gctactcagc	agaatagctg	caatgagtac	30480
tgaagcttc	agagaaatcg	gctaataagt	tccaaggagt	gagatgagaa	tgagctagag	30540
tggtcggtgg	ggagggggct	cctggaggag	ggggcattta	agggctgcac	tgaggatgga	30600
gaggctttag	ctagaacaag	gcaaggagcg	ggaggaaagg	tacttctggg	cgggtggaac	30660
ggcatgacca	aaggaaggga	ggtgtgcctg	tgggggtgct	ggggcagctc	agccagcaac	30720
catggacttt	aggggaagaa	cagaggccaa	gtttctaggg	atggctggga	cccagaagg	30780
aagccagggg	taggagggaa	cacttattct	agaagtgggg	agggagaggt	gtgtgacaga	30840
ctgggtgagg	acagagcagt	gttttaggag	atttagtgac	agggagccac	ctgggttgga	30900
ggagacctga	gcctattaat	taggcagggt	agtggagtcc	ctgaggtgta	cttcaggacc	30960
aaccaggctc	cctgtaactgg	gtgggatggg	gcagggttta	ggggctgggt	ctgttccca	31020
cagcccccgt	ccatgctgag	tgggagagga	ggtggcagca	gcagctgggg	cttctgaaga	31080
tctgggtgca	ggcttgggtct	ggctaactct	gtgcctctgt	cctcaacctg	caaaatgggg	31140
agattctgca	actccaccca	gcctgtctgc	ctgtgtctgt	gaggagtgtc	ggagacacag	31200
ggaggggaag	ttcttttgtga	actgacattg	cctgtttctca	tcccttctct	gaaaactggt	31260
ggctgccaat	gcattggccat	ttcatggtg	ctggcttccc	tctgtctctc	agattggggg	31320
tgacctatag	acctgggttt	cattacccaac	aagccatgtg	atcttgggtc	agtcaccccc	31380
ctcttccagg	ccttggcggt	ctctcccata	aatggatccg	tgttgataac	ctaagcctcg	31440
ctgcacgcag	tgtggctgtt	gttgtgtctag	gagacccagg	cttgggctgc	ggctaggggt	31500
gtccccctgt	gggcagagcc	ccatacctgt	tgtcacagta	gcategcaac	acctccttat	31560

aagccttgga	acctcggcca	agaggtttct	gtgtacgctt	cttgggtctct	ggtgacttct	31620
aggcccat	gacatttctt	tgcacttctt	gccactcctt	ggaggccctt	gattagtcta	31680
cttgggtaca	aacccatata	agatccctga	tatctcccag	caagccttgc	acaaggcatg	31740
tgcccttaag	tgatgctcgt	ggctctttga	aatctggaca	ccagctggca	gaggggtggt	31800
caggtagctc	gcttttctgt	aagatgggtg	tattttgttt	tttttctttt	ggaacagatt	31860
ttgattttct	gataatagag	cccttgagat	agtgaggaga	cagtaccgga	agcagcaccc	31920
ccaaagccgt	ttgaatacaa	tgcaagcagt	tgaggggctg	agctaccagc	cagtaggaga	31980
gagggtcctg	ggggttcaaa	gagcagtggg	ggaaactgag	gtacagagag	taccacagca	32040
gagaatgaat	gagtggcagg	tccaagcttc	agataattat	tattctttct	accacccccc	32100
ccacccccaa	cacacacaca	cacacacaca	cacacacaca	cacacatatt	caggggatgc	32160
tttaggttct	ctgcactgtg	ccatgcagtt	tatgtgcatt	atctcattta	ctgtttctgaa	32220
gaaccctacg	cgggaaggac	tgctgtaccc	cagttttatt	ttattttatt	atttatttat	32280
ttattttatt	atttatttat	ttattttatt	attttgagac	agagtctcac	tctgtttgccc	32340
aggctggagt	gcagtagcgt	gatctcagct	cactgcaatc	ctgcctcctg	ggttcaaggcg	32400
attctccggc	ctcagcctcc	cgagtaactg	ggattacagg	cgcctgcccac	catgcctggc	32460
taatttttgt	attttttagta	gagatggggg	ttcaccatgt	tggccaggct	ggtcttgaac	32520
tcccgacctc	aagtgatcca	cccacttttg	cctcccaaag	tgctaggatg	agaggtgtja	32580
gccaccacgc	ctggcctgta	tcccagtttt	acacacatgc	gtacgtgatg	tgctcagagt	32640
gattagggcc	acagagccag	aaggcgtttt	aggcaggatt	tgaatgcagg	cctgtgagtt	32700
tagatcctgg	ctcccactac	cctatgcaca	ccctcccatg	cccttgctgtg	cctcttcagg	32760
gcctctctct	gggccatccc	tgccgcaagc	actctgcaga	cagacagtct	tcccttttct	32820
aggaggtgtg	ggtgcagagg	actttgtgta	ttggggagat	aaaagagccc	gtttgggatg	32880
atttttatca	gctcgagcaa	gtcggtttga	cttacaggaa	gaagccaatt	tgcattttgg	32940
gaaagagctg	agtgtaaaagg	ccgcagttag	cactgggtgg	atttataaat	aaacagtcca	33000
ccgagggcat	tgtatgtccc	cagctgtaca	atgctgggtt	catattgaca	ccacagacct	33060
gttccacacg	tcacagctgc	ccttttgaca	gaaagggcct	aattgagtaa	gagagcgtct	33120
ctgctggaaa	tgccaaggaa	cccttccctc	gacctggctt	cctcggcaca	agcagccggg	33180
gtgagtcggg	ctgcagccgg	gcctgtttac	cgaggctgct	ggcattgcat	gccaggtgca	33240
gagccacagg	gcgactcaga	aggccacgaa	cgctggggcc	aaggcggcct	ctgctctccc	33300
tgcaaccogg	agggagctgg	agccagagcc	agatctcagg	aaactggggg	cattgcatag	33360
aggctgccag	acagtctgca	gagctcagcg	gcctgggttc	aaaccttctc	gcacactgcc	33420
actgtcgggt	actttggctt	tctagagcca	gattccttgg	ccatgaaatg	ggtactgctt	33480
acttcccagg	ttatttttag	aatgaagtga	gatgaagtca	acagttagatg	tatctgtccg	33540
ttgtccctgc	cctgctgtgg	gatgacagag	tgattttgga	caagaccaag	gcctcgtctgg	33600
gcatcaactgt	cttcttcaga	aagcaatggg	gctaggccag	gtgcacagtg	gctcacgcct	33660
ctaactccctg	cacttttgga	ggccaagggtg	agcggatcgc	ttgagctcag	gagttcgaga	33720
ctagcctggg	caacacagtg	aaacctgttc	tttaccagaa	atacaaaaaa	tagctgagca	33780
tggtgggtgtg	cacctttagt	cccagctact	ggggaggctg	agatgagaag	attgcttgag	33840
ccagggagggt	cgaggctgta	gtgagccaca	gttgcgccac	tgcagtccag	cctgtgtgac	33900
agagcaagac	cctgcccctc	ctggaaaaaa	aaaaaaaaag	agagagagag	aaagcaagca	33960
agcagtggcg	ctggatgctg	atcagaggcc	tggggccctt	ggaccagaga	gggtgttccc	34020
tgcccagctg	gctacaggag	ctctgactct	cagaccagcc	taggttcata	tccgtgtctt	34080
tccacttggtg	ggacottggg	catttgaact	cctctcagga	cctcagtttt	catgggtaga	34140
aagtgggaac	gattaagggtt	gttggaaaag	caaaatatgc	tcattgtacac	ttagtgtcca	34200
gcatagggct	ggccacatgg	tgaatgtcca	taaatcagtc	atgtctataa	catacatttc	34260
aagggaaaaa	catctgtttt	gagggcagaa	cgctatcaag	tcaaatattt	tccgtattta	34320
atttcaatatg	tactgttata	aaaaacaata	acctatgata	cgatagttag	aagaccggcc	34380
cttccaggcc	cacttcttta	cccttttgcct	ttttggcaat	aacctttgtg	cagagccaac	34440
cccattctcc	tgacctaac	agttctcaac	tggccatgog	gccttccogg	gtgtcagga	34500
ggtctctccg	gttaggtaag	ggaggcccca	tccctcttaa	ctgactgctc	tgagtgcaga	34560
tctatgctgc	ttcccatctt	ctccaggcgc	ctgatctatt	accttgggct	tggaaacgca	34620
ctaacaaagg	ctaccatgag	gaggcccttc	ggtacctggt	catctggaca	catctgacag	34680

acccccgcac	cccgtgtggc	tcccggttaa	tcttcagggg	gcaatcaatt	tcttcctcag	34740
aggccagact	tcatgtttct	aagcctttct	cagatccaca	tcttgggggt	gctgggggtc	34800
ctgcatctgt	gtcctggtgg	tcagtttgaa	gcaccagcag	acagcagcgc	taaaggcacc	34860
ttgtgtgtac	tacgtgtggc	catctaggga	tgtctcctct	gttgctgaac	ctgcagatcc	34920
ccgtgaggca	ggtgggggca	caggcctctc	ccctctgttt	tataggggag	gtaattgagc	34980
agaacttagg	acagttacat	gctttgcttc	agttgcgggg	ctgggatttg	gacctggctc	35040
ctggcctgac	acaggtcctc	agcttccacc	agccttgctg	cctctgaagg	ttgctggaga	35100
aaggaagctg	aatgtagagg	gtgggtctgg	aggagagggg	gaggagatga	gcccagaagg	35160
acaaatgttt	gcacaaggag	ttagaaatga	gatgtctagg	ctgggcacgg	tggctcacgc	35220
ctgtaatacc	agcacttttg	gaggccgaga	caggcggatc	acaaggtcag	gagatcgaga	35280
ccatcctggc	taacaagggt	aaacctgtgc	tctactaaaa	aatacaaaaa	aattagccag	35340
gtgtggtggg	gggcacctgt	ggtcccagct	actagggagg	ctgaggcagg	agaatggcgt	35400
gaacccggga	ggcggagctt	gcagtggacc	gagattgcgc	cactgcactc	cagcctgggc	35460
gacagagtga	gactccgtct	caaaagaaaa	gaaaagaaaa	gaaaagaaat	gagacggctt	35520
caaagaacct	ccagcacgtg	gaggtgaggg	gtgggaaggg	ctctgaaacc	attggccgtt	35580
ttcttgagtg	cttcttgacc	cgaaacgctg	ccttgagggg	ttgatagaga	ctggctcctt	35640
cagtcaatgc	ctgctttcag	acctggatgt	gggggcctgc	tgggtgccag	ccccctgcta	35700
ggctctggga	ataggacaat	ggccaagaaca	gataagatcc	ctgtctgctg	ggagccaaag	35760
agagaaaacca	ggtaaaacaag	acaatcacaa	tcaaggacac	ctttataaat	tatgataagc	35820
accaagaaag	aaacaaacag	ggtgctgaat	agaaaaccac	ccagaggtga	gtgtgggggg	35880
cttgagacag	gaaggccttt	ctgaggaggg	ccgtgagatg	atgggggtgg	aaaagagagc	35940
acacaggcag	aggaaacagc	gtgtgcaaa	gctagagaca	gagaggggtc	ccatgtggct	36000
cggggatgac	cggcaggggc	agagcagctg	aaacacgggt	ggcaccatgc	atatcttcca	36060
gctccacttg	ccccggggtc	gccagcagtg	ctgccagcct	gctgtgggca	tgggctcagg	36120
tgtggacatg	cctgtatctg	ctgggggggt	ccacatgggt	ctggctccct	gctcagcca	36180
agaggcacat	gacacatgac	atcactggct	atttctgcct	cccacgggcc	acctccatct	36240
ttgcagcatg	aagggaggcc	tggcctgagc	ccttaactgg	tccctgggct	tggctgtctg	36300
ccactgaata	tcacctgcta	tttcagtga	catcctgctg	tcatagaggg	cagaggaggc	36360
tgaggggtgc	aagggtgtgc	accaggggtc	ccgggacaag	cccaggttct	tccgcctagg	36420
gtcagccctg	gccctgcaac	ctttgtttat	ttactttggg	ccttgctcaa	aactagtagc	36480
aagctgcctg	gaatgcaatg	tgacgaactc	gagataataa	taaaatcaat	tggactgttt	36540
cccagtaat	tctagagaat	gatgcacat	taatgttggg	aatacagtgc	ctgtcagatc	36600
acaaactttc	caataaatgt	gcagctggca	agctctgata	gaaattggag	gcaagcagag	36660
aatgagattt	ggggcctttg	atatatgggg	tgtcagtggc	gcagtgaagt	ttttatcaat	36720
ttctgtcact	ttgggtcttt	gtgtccacag	catatgtggg	cttcattggc	cctctctgtg	36780
ggctgcttgg	atgtataactg	caccccccca	cccaacagtg	tgagggaagag	gagttccttg	36840
agaggcctca	gcagcaactgg	tgcctttctg	tgcagcttca	ttaccagggg	cctctcaggg	36900
agacgtagac	gggcaaaagcc	tttggacttg	actctgtgga	tcactcaggg	actctccaag	36960
cattgattga	gtccctgttg	gattcaagat	gcactggggc	cctgggaggc	ccttggaggc	37020
tctggaggac	ttgatggaag	cctgggggctt	gggggtgtgg	ggaatgttca	aatgatcatt	37080
cctacctaag	ggtcaggaga	aaatggaagc	agtgtgtgag	ctagcctgga	agtgtcttgc	37140
caggtagaact	aggagaagag	actattagac	tggggagctc	tgtggggcca	ggccttgaag	37200
catgatgaat	cctggagctt	atgcgggagt	gaggactttg	gcbaggccag	gcbccagcgg	37260
cattggagag	aaggcagaag	ctgcctggag	gcagtgtagt	gtgggtggtta	gcacaaggac	37320
tctggagcta	gacaggcagg	ctccgaatcc	tagctccca	acttagcagc	tgggcaacct	37380
cagggaagtg	actcgaccgc	tctgtgcctc	agtttccctca	cctgtaaaaat	ggaggtgggtg	37440
atagttgacc	acctatctcg	aaggactcta	gcgagcataa	atgaattaat	acttgtatga	37500
gtgcctgggc	cattgcaagc	acctgataag	taattggcat	tacttttgc	taatgagctc	37560
agtgaaccca	ccagtcacct	gaaagccata	cagttagatt	cagagagttg	aagtggggca	37620
tccgcactca	tacagccggc	cagaagcaga	actgagattt	gagtgcaggc	gatctcaaaa	37680
cctgcgtctc	taagctgctg	ctgaggctgc	ggttgagaag	cgtgggcctt	gggtgcaccag	37740
gtggaggagg	tggcatgcgg	ctgggggcct	agcacctcac	caggacaggg	cctgtgaggt	37800

caccgtcatt	agcaaggaga	ttgggtgggc	agtgaatcag	ctcaggcttc	atttgtcagt	37850
agccctctgg	agctggagaa	cttctgagac	tggggacttg	actgtggtgc	agacgtctgc	37920
attggccctt	ggaggctgga	agtggctttg	agtagcagag	gagccaaatg	ggaaccatgt	37930
tggcggcaga	ttccagaagt	gagtcagaat	ttcaatgttc	ccagctcatc	tgcttgagag	38040
caggtcctga	gacccagcaa	ggcctgcacc	ccctcctcga	caccacacca	ccctagagca	38100
ccacagtgtc	tgcaaaccag	agcggagggt	ccctaggctg	tggggggtgac	ttgggtgtgc	38160
gcacattctg	atgcagctat	cactgtggtg	cacctgctgg	ggacccaccg	tgaggccccc	38220
ggagtccgtg	tgctgggtgt	ggataccagc	gctccttgag	agtgcctctg	gcacagggac	38230
cccattgctc	catgagcagg	ggtgctcctg	gcccctcccc	aggctgcctt	tgaaaagggtc	38340
cttccccctc	cccatggctc	cacacaacac	caggatgtac	tcttggtctg	ttctgcatct	38400
gtgtttgcct	ttaaaaaagg	tggtttgcaa	ggccccccag	ggcctcagga	aagaagaagc	38460
aatctttgta	gactgggggtg	tggaagacag	aggggcctgt	gctgcaactg	gaacagggag	38520
cgggtggcctc	tgggcccagg	tctgccccca	tccccctccc	ggctcccttc	aaacctccct	38530
gagcctccat	gccctgcttg	ggacgtccca	gtgtggagcc	caagtccctg	cacttggttg	38640
gtgggtggag	atagctgggtc	ctgcatttcc	caggtgatgt	gcctgggaag	catctctcca	38700
taaaacccct	gtgacttggtg	cttgaggagaa	gtgtcccttc	ctgccagagg	agcgggggct	38760
gggtgaagca	ttgagaggag	ctacaggtgc	atttgaaaaa	gcaggtaggt	cttcttttta	38820
ccacctggag	gtcctgggtta	tgggggcagg	taggagcacg	gtgctgacat	ggtcctaacc	38880
ggtgtgggtt	ccatcactac	tgcttgtatg	accgaacaa	gtctccagcc	actctgaatg	38940
tcacttatca	ccacagtga	ggtcctcatg	cccacctgac	ctgggggtgta	atggaccaca	39000
cacctgatg	ctcagagcac	atctcttggt	gaatgctagg	ccctggatga	ctggctcctg	39060
cccaacccca	ggagttaga	gcctcactag	ggaacaagac	tgggcatgta	ctacctgtag	39120
catgaggggc	tggtggctgt	gaacaagagc	cctgctgagg	ggagccccag	ggggacaggt	39180
tcaggtcagc	ctactagggg	agggcattca	aggaggccct	cccagaggag	gtggcctttg	39240
tgcttcagcc	caaaggatga	gttggggaat	gctcagcaga	aagaggcagg	tgagggtctg	39300
gcatggtggc	ttatgcctgt	aatccagcac	tttgggaggt	caaggtggga	gaattgctag	39360
agcccaggaa	ttcaagaaca	tcttgggcaa	catagacacc	atctctgaaa	aaaaaaaaaa	39420
aaaaagaggg	caggtgaggt	tatcaggcct	gggtgggtgg	gaggcaaagc	ctgggagctc	39480
agtggggggc	tgatcacatc	ccagagggcc	ttgaatgccg	aatggagtgt	atccttgact	39540
caggttcaac	aaggaaacat	tgtgggtgta	agagtgtctg	cctcagatct	gatttgcaga	39600
ccagttagctg	cagtggctgc	ttggaggatg	ttctcacagg	ggtcccatga	tcctgctgc	39660
gttccaggag	agagggcatg	aggctcattg	ctggcagggg	cctgggtatg	ggccaaacag	39720
tgctgcagat	atcatgtggc	tggtaggggg	tgaggatggt	ggtcatcggg	ggcactgggt	39780
gctgtggtat	ctgaaggag	tgatttccaa	gtgccgtgag	ggtgcccctg	gcctcagggg	39840
cttttgacaa	cagcatccct	gggtgcctgc	taaaagtga	gatgctgttc	tcaccccagc	39900
acagctgggc	caggtgcatt	tagaaaacct	gctgaaaaat	gcaggtctga	tgaggagcac	39960
aaaggtcggg	tccttagaga	acaggagcct	ttgaagggaag	aggggtggagc	tgattgcaga	40020
ctgcogaate	ttgaaggggt	ccacagaggg	gctgcagggg	gtggacttgg	ctgcagcaag	40080
gagagaggag	gaccaagtctc	tccccttgat	gagtaattca	gcatacagtt	gaagctcttt	40140
gcagtagggtg	tgaggaaggc	aagatcttgg	cactggggat	gctactgatt	gtctaattga	40200
aggggttctc	agcacaggca	aagggtctgag	ctcactgtgc	tggtgaaggg	ggcaactgag	40260
taagtccctc	aggatgaggg	ggaagtcccc	agtctgggaag	tgagggaata	acatctgagg	40320
cagagggaac	agcatatgca	aaggctcaga	gtgctggggg	gatgctgtca	gaggggcaca	40380
gctcttgaa	ccaggccagc	agggatggac	tttgttccct	tttaggggca	gcaagtccagc	40440
caggctttct	tctctcaagt	cagagaagaa	agggccagggc	tactggatcc	tggaatgtgt	40500
gaggtccctg	gccagtgga	tgtctggtgg	ccttggtgta	tcttattggc	acgggcacgt	40560
tcacaggaac	cgtgggggta	ggggaggggc	tacttgtgca	gagggagggg	tagtctctag	40620
gtaggcaact	ggcacctgoc	tccatctggg	tgaaccaggg	cagggaggga	gggaggcggg	40680
tgggccaggtg	acggccgtcc	tgggcaggtgc	gttccatcat	ctggccatgaa	gacagccgtg	40740
gggctccagg	ggctggagct	gtttctcaca	ctgtccccga	ccataaacac	acacactgag	40800
attccacagt	tgtccctccc	ctctctgagg	atgtgatgtg	aggagcagct	gtcaattacc	40860
atcagctgoc	acaatgcagg	gaggcagctg	aggaccagat	agagcaggag	tggccagctc	40920

cagggtcacac	ggcaagtggg	acctccgacc	agctcccagc	ctccccatgg	caccaggggac	40980
ctcacgtggg	tcaggatctc	tccaccttct	ctgtaactct	ggctcctgct	ctcaaggagg	41040
aagagctgtc	ccctagcaat	aagctcttcc	catctggagt	caccagcttg	ttcagctttt	41100
cctcacctcc	ctccacctac	aaacaaccca	agggaaacaa	cccagaaagc	cagggtccag	41160
cctgttggac	caggcctcgc	ccagttggag	cagaaggcgt	gcagtgggga	acgcagcctg	41220
tagccccctc	cacagggagg	cagaaatccc	ggctctggaa	gtgtataaac	acggttatatt	41280
ttagccttca	gagggctgtg	ggcgacagcag	cgtgacctga	atctggctca	gccccctcct	41340
tctgccccac	ccgggagaga	aggcctcctt	tgccccgccc	tctgctccat	cagcctcagg	41400
gctggggccag	tgaattccag	gatccaggga	gagaaagaaa	tgggtgtgtg	tgggggtctc	41460
agcaaggctg	cccagggcca	ggagctgagg	ggggacagga	tgtggttttc	aaagagycag	41520
catttcaagt	tgcacacaga	atattggagc	cacccaattt	catgaacttt	ccatgggttc	41580
ttactcccta	atcctggtcc	cttccctggt	ctggtctggag	gcgagtccca	ggcgcccaact	41640
gggaagcagt	gctggcctag	caccaggcgg	ccttgetgct	gctttgctgc	cgtaggctac	41700
caggccccaca	tagcacctct	ccgcggctca	gtgcccctcat	ctgagaagtg	ggatcattcc	41760
caacctgggt	ggcagggagt	tgaggggggtg	atggtgagct	gacagaatcg	tagctgttca	41820
ctcacttggt	cattcaacca	acacttatta	aatgttagtt	ttatgccagc	cagtgatcta	41880
aacattggat	agaaagcagg	aaaccagctt	gaggaggtgc	tgacctctct	ggggctaaca	41940
tcattgagca	gggctgggga	acacagaagg	acagtaatca	gctcgtagta	cgtgcagtag	42000
agtagtaatg	tcgagcgatg	tgttaacggag	cggtctgggt	gggggaggcg	gcattgtattt	42060
tagatgaggg	cagtctggga	ggacctcttg	agaaactgta	aaacagccag	ccactgtagg	42120
tggaggaggt	ggtgagcggg	aacagcaggt	gcaaaggccc	aggggttagga	atatgcttgg	42180
tgccccagaa	ctgaggacat	ggggaaaccc	tgagggggag	cgagcagagc	cagctgcacg	42240
gggctcgagg	gccgtgggga	tgcttggggg	ggggggctgt	aaacaggaaa	agcttttacag	42300
ctgtaaggaa	gagcaggaag	gaagtgagag	tgggaggcca	aggaggggct	gttgccccca	42360
cccaggcaaaa	ggagctggcg	aggagtgggc	agatccgcac	gcggggaggg	tgaacgggtg	42420
aaatggcaga	tggcttgggt	gagggggagc	gtcagaaaac	aggatgggtc	cttgaactttt	42480
ggatttgatg	cctgggtggg	tgggggtgga	gagggcattt	gatccaaaag	gagggcggag	42540
ggagaacagg	atctagggga	gggagggcaa	ggggtgatgc	caacctggac	acaggttttt	42600
ggtgtctggt	gacatcggag	tggagagggg	agccctgggg	gagcagctgc	atggggcaca	42660
ccaggccccca	ggctggcaag	ccctcctccc	tggggtctct	tgccagcccc	gagccaggct	42720
gtgtggggcga	gtgcttccct	gggggcctgg	cctgggggtt	tgtcccattg	catcatggat	42780
gaggaccttc	cggctcccctg	gcttggaggc	agacgtagggt	ggaggtgcag	agtgggtccac	42840
ggctctgccc	aaaaggctgg	acaagtggga	aggtgggtctg	tcattcaagc	accattttgc	42900
attggctgga	tgcgagccct	ggtgtcacta	ccaaccttgt	tcccagctgg	gctgaactct	42960
tactatgaac	tagcaactat	gaactagtcc	tgcactctct	gtgcctggac	tgggatggga	43020
aggacagcag	gagttagcaac	atgctctgga	atctttccca	gcagacctgg	ttcactttca	43080
tctggtcacc	agacaatgta	gtgacccctc	ccctctctgg	gcctcagaat	cccacctgag	43140
accccaggat	ggagttagaag	gtcttcaggg	tctcctgtgt	aaacacagcc	tttcgatgac	43200
ggagatttgg	tattgagagg	gtcatggcgt	gagtaaaggc	ctggaggctg	gtctagggag	43260
tcaccttgca	gcatcttggg	gagcggatga	gtatagagtc	cgcttgcata	gaagccatgt	43320
gcaggggtgt	cactggagggt	gaggtgggaa	caccaggctg	cctgggttggg	tcagagggac	43380
cagattacca	tataagccat	tgtgctctca	ggataatctc	ctggcttgtt	aaagcctcag	43440
ttttgtcatt	tgcataatgg	gtacaataga	cgtcactgag	cctgcagggg	tgaataccca	43500
ccaaggtaca	gagatgggoc	aactcagtgc	ctggctcgtg	gatgtctttg	atttcagag	43560
gttgccctct	ttccctgtct	ttctccaggt	tgtagccaga	atccaaaatt	caggggaggg	43620
ctctttttgt	gttgggggtt	cctgtgagag	ccacagccct	gggcttggga	gtccctgcac	43680
acccaaactct	ggaggccgtg	aaactcaacc	tagcccttgg	gactggcccg	ctggcccaagg	43740
cactctgagc	atcagcctta	ggtactgcta	gtaggaggtg	cactgggggt	ttaaaccagag	43800
gcagtaatat	gctttctgaa	atcatgcccag	cttcatgttt	tgtttctcaa	agaaacagatg	43860
ggccttgatt	tcctatccagc	attgatgtgg	ttgctgttgt	tgttgggttg	ttgttgtggg	43920
gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtcttaac	tgcacatgggt	43980
tttaaagcca	tgttggaag	tgaggaaaat	agcagatgct	agatccaatt	gcacacaaac	44040

tgtcttgaaa	tgctataaat	atthttctaaa	aagactagct	tcccagagccc	aatgtgttag	44100
ttgtctcctc	cctgagaaac	tgattcccga	aaatttagac	aaataacctc	ttaaatcaca	44160
gctgttaacc	tcgggtgtaa	aaactgctac	cacaccagcc	gcaggtcaca	gcgactctgc	44220
tctgcctaag	tgccctccgtg	tgccatagag	aagggtggtg	cagagaagag	agatcttgtg	44280
cttaggcaag	agaccagggt	cggagccgg	gcttgccac	tgactgctgt	gtgacctggg	44340
gccattggcc	cacctctctg	agcctcttct	gtgtaacaga	cctgttacag	gctgcctcga	44400
tcttgagagt	gccactgaac	tgagcttctt	tctgctcctc	aaaggtaaac	aaaagtgacc	44460
gttggcattc	aggagtccat	gttaatcagg	actgagaaaa	ccccccgcc	cctagtcccc	44520
tttagccctc	tgactgtgtc	aaggacagct	gccagtgact	ggatacttgc	tggtgtctct	44580
tttcaacaga	gagcacctgc	aggacccgga	gcctccagca	ggcaggcagc	aaaacagtgc	44640
cattgtttgt	tctccttgta	tttgtttttg	tgtttaactt	ctatccttgg	tgagtaaggc	44700
taattttgta	tttaaggtag	taatataaag	ttctttttaa	aataaaagta	tttatgcaaa	44760
agttgtgaat	tgattattaa	gctaattggca	gtttcgatgg	cagaaggaaa	tgacaaaat	44820
caggaagatg	ggaggaaatg	tgacggactc	tgacactgt	ccaggttgcc	cttccccata	44880
gtgctcacca	acttctgtgc	ccttgtagaa	ggaatgagtg	gggaggggtt	gctggaggga	44940
cgttctggta	aattgtcttc	caattgcaca	ataccagag	gtgaccacca	cactccctaa	45000
gacggtgggg	ctacagaaag	ccccattctg	gcctccgggc	caaggaaacc	actctcgtgg	45060
agagtcttgg	ccaagaagct	gggattctgt	agcaaaaacca	aatcccccca	ccccaggcc	45120
ctctgtgct	ctccattgaa	gttcccaaac	tgagggtcta	agcttgacac	catctggctg	45180
ctctctccta	ggccagagac	caagaccagg	ccctagctct	cccagatgtg	gctgaacca	45240
gcagaatgta	gtagtgtctc	cactaacagg	gacatcaagt	gctgtagggt	ttgtcttatg	45300
ctctgctga	gagtgcacgc	ctggagtgtc	atacagaata	gcaattctga	ggctacaagg	45360
agctctgtaa	gagagcgtgg	ggaccaattg	gtaatgcctg	ccatgggtgt	gggaagggaag	45420
cctgggggta	cacaggccct	tatttgtgac	tcatatgctc	ccccaggcct	gtggctagat	45480
cctgccccca	ttgcatcgcc	agcaccagc	ttggcgatca	gtgggtgatt	gagcccagaa	45540
gctcctataa	gaacttagca	gatgctcctt	ggccggtctt	tgcccgttgt	gcaaggggac	45600
atcccccaac	cacattgcag	gccctggagg	gtcaacactc	agcccttgag	tttaggaagc	45660
tcttgttcat	tccataccca	ctccctgcta	gggctggata	tggggtagggt	accagggaag	45720
tgtgttgatg	agaccaaga	atgatcgaca	aatgggactg	gagagggtgt	tcggcctggc	45780
ttggcggcag	tccatgtaac	actacctcac	tacaggcatc	gtgcagggtg	ccgagtgcct	45840
cagattttct	aggacagccc	tggtttcaga	tccctcatct	attgttcttg	agtgcctctg	45900
cctgaacagg	catttggggt	ccgctttgga	agtctgggt	gctgtggata	tagccctcat	45960
gatcatgctt	ttgatcatt	ttcagagcac	tcaactcttc	attgccttg	catctggcca	46020
ggggatggag	cagccccatt	tgctcacttt	tttcagggtg	ggaaattgaa	ggccagagtg	46080
agcaagtgc	tggtctggcg	ccacacagcc	agttaatgca	gacatctggc	ctgaacctgt	46140
gataccatc	ttctggccac	ttcactgtcc	acttacaaag	cccagaactt	tctgcctcct	46200
gctatttaag	cctcattcat	tcagtcagct	tttgtagcct	agcgggttag	acctcaggag	46260
tcaaacagca	tgctttgcac	ttgaactact	tctggccgtg	tgacttttgg	tgagttcctt	46320
tctctctctg	tgccctcagtt	tcttcattga	taaaaggggt	gtagacacca	cacggggctc	46380
ttgtgagtac	tactgggtta	acagtgtctg	tctcagggtg	agggttctgt	ggggcccgcc	46440
agtgggtgtc	acagagggtg	attgatcaga	gttgctcaca	gtctgggtgaa	tgtgagggtg	46500
gaggcagatg	tgttcacccac	gaaagagcgt	tcaagtggat	gggtgaggtc	agagggtgac	46560
tgggcacccac	cgggcgggtg	gaggagggac	cgtctccatt	gctccacacac	tactcggagg	46620
cattcagaaa	ggctcctccg	ttgatggag	ctacttggag	cagggtctgc	agggggcagg	46680
gagggcactg	gcttgatcct	ggcagatagc	aacctccaaa	actctctctg	acagaggatg	46740
gcactcactg	ctaccgcttc	actacctcca	gcagctggag	ctcttgggtc	ctgctgtagg	46800
gtggagggtg	ggttgagaaag	aggtgaaaag	accagtttgc	tttgtcccaag	gggcaggcac	46860
agagtctctg	ctgaggggcc	tgccatgggg	taattgtcta	ttgttcctcg	tctggtaagc	46920
cagctcccca	cctctctctc	gcttgctctg	ccttctgtcc	ttctctctcag	catctgtcta	46980
tgcaatataa	agagcccttc	ccaacacagt	caccagtgat	ctgcttccag	gctagtgttg	47040
acatccacag	ccaccgggag	accattttat	tctgccaactg	gggcaacagg	cccagtttta	47100
atcactctcg	ctccactgtg	agatacagat	ggttgtatta	ttaatagtca	taattaatca	47160

gcattccacag	aggagctttt	ccctaggcag	cagatccctca	ggacgagcag	ccctgggaggg	47220
tccatttcca	gtcccccttt	acagacaggg	gaagtggagg	tgggagaagg	ggtgggtggga	47280
ctcatccgag	gtggagctag	gtatggaccc	cagctcagat	ctcagatctg	ataaccacct	47340
gcagtgttac	tgtctgggaa	tggactgttc	accccaccca	cccatacctg	ggtccctaggg	47400
tgccaattgc	tgggagaagc	tttcagcact	ggggatggga	gggtgggtgct	caggctgatg	47460
gtgcactttg	agatctcagg	ctgagagtga	aggaagaaag	gtgggatggg	gaagaaaggc	47520
ctgagggagg	ccggacatat	tgggctagca	ggacaggggg	cctgattggg	gtaagggtgg	47580
ggaggtggcc	ttgggtagaa	ggaaagccaa	ataccaacca	tcacccctta	atacacacag	47640
atcgtgggtc	agggcctgag	gttggctgct	tctctgtttc	aagctctgca	tcccaggga	47700
agtgatataa	atgcttacag	caggcagcat	cctgatttat	ggggctgttt	tggacgggcc	47760
taactacatc	agcacagagg	cagtgaaggg	cttcttgca	aattctgcaa	gcccaccttc	47820
tcccctgect	ggctcctggg	gctgaccacc	accgaggccc	ctgtgcatgc	atgtgcacat	47880
gcattgcacc	agacccacgc	ctgagtgggc	acacccaggc	ccacgtgctc	tgtgtgcacc	47940
tgaggctgtc	cacatccctg	cccacagccc	ataaactgtg	ttagccccagc	acgcagggtg	48000
gtgctgcttt	gggcctgtgc	gcagatgaac	acaggtgtgc	ccaggtgcac	acatgtgtgt	48060
gtctgcttgc	actctgcagg	catccatgtg	cctatgtcct	ctgggctgcc	tctctctgtg	48120
ttgatctgtt	cgtggctctg	ggaggtggat	gtctgttcgc	tgtcctgtgt	gtgtcccagt	48180
gtggatgtgc	attgggtgagg	ggtgtacatg	cctctgtgca	agtgcgctg	tgtgcatggg	48240
tctgtgtgca	cacatgtgtg	ggcatgcaac	tgcgcctca	tctgtcttt	ttcattatgg	48300
gtgttgttca	cactcacatc	cttgcgtgca	acacacaccc	ggtgcccagc	gtggctgggc	48360
tgcccccgcc	tgatcattag	gctcatggat	aagactctct	gtcatcgtaa	atgagtatag	48420
agtgcctcag	tccaggagtc	ctgaaggaac	tggggaggta	gctcatctgt	tctcagcat	48480
ctccacccca	cctccatatg	gatgggtgctg	gagaggggag	gctgggaggg	agggatgtgg	48540
tgcccactcc	caggccccca	cactgggttc	ctgatccacc	ccttgtttct	cccaccatg	48600
cctatgcact	cgcccatatt	ctgtgccaga	ccttgaggac	agccccgggt	cgtgggagaa	48660
gcccagtcac	gagtcaggca	gcccgggtgca	caaaccagg	ctctgttgcc	agcatgtggc	48720
cctagacagc	cctctgctct	ctcccatcat	cactgttttc	ccacctgcaa	aatggtctta	48780
gcaatggcca	cctcatgggg	ttattgtgag	gacaaaagg	gtgcagaaac	tgctagagaa	48840
gtcaagtctc	ttccccagc	agacctcagt	ctcccatct	gtaagatggc	aataatgacc	48900
ctcaccagtg	gtctcatgga	gtgttttgaa	ggtcagatga	gaaaaagggt	cagtgaaggc	48960
tgcagggtgg	tacccatagg	acttgttcca	gctgtgagca	aaggagatga	gggtgtctag	49020
gcacttgggg	gtggcatgca	tggcctgggc	cagatgcctg	catccaaacc	cccatgctgc	49080
cacctctctg	ccttgggatg	tgggaagggt	acttcactct	catctgcate	tctattatcc	49140
ttagattcct	catctttcca	gcaggcatgt	tcttagtagt	atccatctcc	tggcatgttg	49200
ggagaattca	ggagaaatga	gtgtggagct	tagcacagag	cctgacacaa	ajcagctgct	49260
caaatcagcg	gtatttggtt	tctttgtttt	tggccttatt	gogataccgg	tggccactcg	49320
gtctggaagg	acaggtgaat	gcattggggga	tgggtgatta	ataccacact	ajgataccta	49380
ttaatgaggt	ttaatctgtg	tctccagact	tjatgtccat	ccttccaccc	gaagaagagt	49440
tcaagtcttt	cctccaggga	actgagaggg	ccatgctgaa	actggaagcc	tcagcctgca	49500
agaggtgccc	tggggaaggga	ggtagtgtgt	actjatgttg	gcccactaca	aaggagctgg	49560
ctcctgggac	tctgaatgct	gtgcccctctg	cagccaccca	gccccacaa	gggaagccag	49620
tgtttacatt	tacccctgtc	tctcttgaa	catatggtgg	ctgcacccca	gctggctcag	49680
aggtcttgaa	agaaggccca	caggggaaac	tjatgtcttg	cctgagccag	gtgaggactg	49740
agggcccccac	tgcacagcac	tgcagtctgg	ggttcccat	ttcaccatag	tctctctaa	49800
ctgcttggag	gaagggtctg	aaactcatgaa	cctcatgacc	aatggacctg	aagtctggaa	49860
gcacagatga	tacctcatta	acaggtatcc	cagtgtgata	tcaatacact	atctgtcatg	49920
cactcacctg	tgtctccaga	tgggtgtggc	actggcaccg	agggactcct	tgcacagcta	49980
tgcagatggc	tgcacatcta	cctgctcccc	ttgcccagct	cctgggctga	ccaccaccgg	50040
ggcccctgtg	catagagccc	atgagcagtc	cccatcactc	gtgggcttcc	cagtctgtgc	50100
ccaaactta	gatagctgtt	agggctccag	ajaggtatga	atgtccccat	cctagcaggg	50160
gctttactga	agaaacaggg	ccctggccac	caggccaggg	cagggaggag	acagttggta	50220
gacacagccg	ggtctgcagg	ggctcggagg	tcattggggc	cagggtggga	ggcaagggag	50280

gaggcaggcc	aggctggagc	cagtccttga	aggacaaaga	ggatttagct	cactggaag	50340
gatggcattc	cagaaggaca	gaagtgtgtg	ggcaaaagt	tggaatcatt	cccggggaaa	50400
ggtgtaccct	ctcccataag	aagtttggcc	tgccctggac	caaagagcag	agtctttgct	50460
ctcgatggct	agtggctgtg	gggtgaagca	gatggccagg	gggtgtgggt	gacggggggag	50520
gcgcaccctc	aggcctgagc	caagggaaac	caagtgggcc	cacacaggcc	agagcctgag	50580
accttggcac	cagctactcg	gagatcttga	ctcaagagtt	aatgattcat	ttgtggccaa	50640
ttttctgctg	gctttgcctg	gaaattccca	agcttgcccc	ttccctcacc	ttagggagct	50700
ccaagaatac	agtctcactt	acacttggct	gagaacgtct	caccactat	ccagggaatg	50760
gtttttaaaa	ttacagcagg	tgtgatgtag	gttagccatt	aggaaaagct	gatcgggggc	50820
tataggctgg	gagctggggg	ggtttgtttg	agtgtttgga	acaaatgtga	atagaattca	50880
gtctagtgtg	aagtgtttgt	acagttacaa	attgggagct	acagcttgac	ccagagtagg	50940
acttggttgg	gctaaaaaag	taatggcata	ggcaaaggcc	ctggggcatg	aacatccagg	51000
gaacgctgag	tgattgtggg	gtggctggag	tgtagagggt	gtgagagact	tctagaagtg	51060
tggacacaac	tcccaagtga	aggactctca	ggacttgaag	atltggcagt	gggacgtgct	51120
ggcagtgggg	agtcagggtc	ggtacctgag	taggggacag	gtgtgtttga	tttgggttgt	51180
agggtcgctt	gcccattccct	gtcttgattc	tgctggctcag	cagaccttcc	ttgacagcct	51240
gctctgtgcc	aggtcggacc	cacgctctgc	acgggtcctg	cacctgtgtg	gaggctgaac	51300
taaagggagg	gggttacatg	tagcaattca	ggtgggagca	tgggtgtgtg	caggagcagg	51360
ggaatggctg	atgacttcag	accactcgg	ctccatcacc	gaaagtccct	gggtgagcgt	51420
agcagagggt	ttggggtagg	cttcagggaac	cccatgttcc	tggcaggctc	tgtggacacg	51480
cgcctggaa	accacttctg	ccttgtaata	tcagcatggc	tgaaggggcc	tggaaatgtg	51540
atctgtccct	gtacagagga	ggggagcaga	cgaggcccag	agaggggaag	gttgatggca	51600
gagcccaggc	agaactcagg	gccaggtctc	ccaatcctgg	ctgattgcac	atatatccca	51660
ccaccacccc	gttccctgcag	atctaaggac	atltcccccga	aaccaggcaa	aatagagcag	51720
cctgattgtc	catgtcaaaa	tgtctgggca	tttggggagg	gagggttccct	ttatatcttt	51780
cacaacttag	caaatttaaat	ttcttctgat	tatttcttga	cgggtcccagg	cgttgggtgg	51840
aaacaaccac	actcccagga	atgtttccct	gtgacagcag	ctttctctgg	cgagggtgct	51900
atcaacactt	ggcagggcct	cctcctggct	cctggctccc	agctcctgag	atcgtgagct	51960
cctgagctcc	tgggctcttg	agcaaggcag	caagtgaagg	cttctcaaca	gcttttcagca	52020
tgcagagctt	gccctgtgtg	ccaggggcaag	gacaggccta	gcctctttgt	tccccgcagc	52080
agcctggcct	gccttcggag	cctcagggtg	cctctggttg	tggatggtcc	ccatgcagcg	52140
aggctgggtg	gtatcagatg	tctgctggct	cccacagctc	tgggtgcagag	gtccttgga	52200
tggctcagtg	gcaggaggga	gcctgtcttc	tgagcagctc	tgccaggact	gtctgtggcc	52260
gagagaccgg	cagcatcctg	ggcctgcagc	ctccatggct	tgcgtcatac	tggcttaggt	52320
gtcctgagtc	agagccagga	aatggatctg	ccatgcgggg	gtggaggtgc	tgcctgcagg	52380
gcagctaggg	tgaaccccaa	cctcctgcct	gtccacacct	ggagggtcct	ggccttgtgc	52440
ttccttcccc	tggcctggcc	tgaatgtgac	tgggtgcctg	aggagaggct	gaagtctccg	52500
cctgctccac	actccacttt	atgtgcctcag	gccccacccc	cacaggctgt	tgttggcagg	52560
gtgggtgctg	agacacaggc	accacgctat	gctgtgcttt	tgcctgagtt	attctattcc	52620
ctttttctag	aatgcctctt	ccaaactcgtt	gtctgtgtga	ttttctgctc	cccccccaag	52680
aattttacaca	agaatgaact	ttttgggtgaa	ggcttccctg	gcacccccac	tctgggccaag	52740
gtgccccccc	tttccctctga	gccccctctc	cattgatggc	tccatccaca	gtgtagtata	52800
ttcacgtttg	gagcccgctc	acctgtgtag	gtgccttgag	gtttttttct	ttgtgggtcc	52860
tacaggcctg	atgtgtagta	tcagctcaat	aaaagcaggc	tggatttaat	taaggggggt	52920
cctgaaggcg	gtgctggagt	ctccctttgt	taatgggtgt	gtgaagagga	ggggggaggt	52980
tgcacaaatga	gagaggctga	cctgacctgc	ggactccctc	ccccgatccc	ccttgagggc	53040
agtgtctgccc	ctctgactgc	tggggactgg	ggtggccccc	tccatttcta	tccagcggca	53100
gaactccctg	cccggcaggga	gtggtctccc	cagggtgcgg	gagtgatccac	tctccagaaa	53160
acaccccagt	ggaaaactgca	tgaatgattg	ataagagctg	agagctgttt	aattttttcc	53220
ccctgttttaa	tggctatcaa	taatttaata	cgctctctgt	atgttttttaa	gaaatagcac	53280
ccattctgcg	gtctccgggt	tagggggcta	aatgatttaa	gtgttggaaa	tgtgtctctga	53340
ggatggagggt	tgagtgaagc	ggagaaatct	ggaggctggg	agtgggggaa	ggcgggttca	53400

gagccagcca	cagcatcttg	gcctgggtgt	gtatgtgtgt	gtgtgtctgt	gtgtgtgtgt	53460
gtgcgtgtgt	gtgtgcgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgaaggt	53520
gggagggaga	agggagggag	ggaaggggag	ggtaaaagcc	agctcctctc	tgctaagagc	53580
aagataaattg	cttttccggg	gcctcactga	gcagcagctg	aacagctgtc	agcaccoccc	53640
tccacaaatg	ctaagctttt	ttctctggatg	gctctggggg	gcccaggggg	gctaggaagg	53700
agctgccacc	agtatcacca	cgggctgaga	atctccctct	cccctgacat	ctttgcccc	53760
tcttaaagct	tctaaatcac	ttttatttta	acgacgcagt	aaggctgctg	ccgggtgtgt	53820
gtcttccagg	tgggggtgtg	gtgggtggagt	ggagtgaagg	actcagaggg	acctggaggg	53880
tcactctgcca	gtgctccccc	aaactttcca	gatgcagagc	atcacctggg	aggacttgct	53940
aaaaatttaa	atttctgggc	tgtgttccag	acccatagac	ttccactccc	aggggaaaag	54000
cctgggaagt	tgtgggttta	acaatcagcc	caggtgatcc	ttagcagagg	agtttgggaa	54060
ctatagagtc	cagctctgtt	ctgggtgctta	cagcaccac	agcaccacgt	ggcagctccc	54120
ttctgcttgc	atgcctctgg	gaatgaggta	ctcaccacct	cccaaggtag	cagacccact	54180
tgtggaaggc	atactctagt	ctagagttgc	ttctgatgtt	aggctgtgac	ctacccagct	54240
goccttgttg	gotttggagt	ctctctgcta	caggacagac	cgtgtttcct	gggatctgat	54300
gtctttccct	ctcccagcct	tgccactttt	tggcttgttt	gggcctctct	gctgggtaag	54360
gagcttccct	tcttagcaaa	gggtccctgga	ggtagaaggc	aggaagggtga	caggtgctgt	54420
ggcctgtctg	tagtgtgtga	ggtggctgca	tcatoctatt	gctggtaagc	atcatcgctg	54480
gtacagtgga	gacootgagg	aaggcagaaa	gatggtgggc	ctcagcactg	cotttggcctg	54540
tcagggatcc	cattcctccc	acgagagaga	aaactggctc	atcagagatc	gttgtgtcag	54600
ccatagctct	tagatgacac	tggggggaac	tgagggtcga	ggggtttccc	cagagaccac	54660
atatctatct	aggacagagc	tggagctgca	aatgtggggg	cgagaggccc	ttagagggtt	54720
ggccaggcca	aggccctggc	tttagggatc	agctgaggcc	ccagccagtc	actcaactga	54780
ggttggatgg	gggagggctt	ccgccttctc	agtcactcag	ggctgatgga	caattcatgg	54840
agtcataaca	tgggaaggatt	ttgggtggagc	cgatgcccac	tctgtctggc	attacaactc	54900
ttccttctgt	ctgcctagca	gtttccattg	ttttgccaga	gggtgtagca	ttataactacg	54960
gccatgggtc	ttgcaatttt	gttttaatat	ataattaaga	gggaaggagt	ggtgcacatt	55020
tactgggcat	catggcttac	tgtgaaatgg	ggagtataat	ccccccgtaa	gccttgcact	55080
ctgtagcccc	ttactgcacc	ccgggattca	gccccaccct	ccatctctgt	gggagaagcc	55140
tgggtcccca	ggagagaatt	gcctgtttgg	gtgctggcag	ctgacctatc	ttgagatccc	55200
agttccccc	cctacccctga	agcctgctct	ggccatcaca	gtatggctgg	gggtgtctcg	55260
accctggggg	aagaggagta	gggtgtgcac	ccaaacccctga	tagagcttct	gotttggagaa	55320
ctccgagagc	tgcagaggca	gaagagagac	ttacacactc	tggggaagac	ccagcccccag	55380
agagagaact	gtgtgaatat	ggacaccccag	gcaaggccctg	gggagggtcag	ggaggggcctc	55440
caggagaagg	tgccacccctga	ctgcaggctt	gagcatgggt	ggaaggggaa	gggcacccctg	55500
cggttggaggt	gtgatgcagc	ctgtgggggt	gcacagaaga	gtgaggtaga	gcctgcaggg	55560
ctgggggatgg	gctacagagg	ccggctggcc	aggggggggc	tgacctgatt	cagttgggtg	55620
gaaagccacg	gaaagatttg	tcttttagttc	cattgaagtg	ttacacccat	gcagaaaagt	55680
gtgtatctcc	tacatttgta	gotttgacaaa	ttatccctgaa	gggcacatgc	ttctgtagct	55740
gocaggcaga	tcaagaaaca	gaaoccttgca	gacccactag	agcccccctgt	gpcctctact	55800
cactgcccc	tcaaggatcc	cgactgtccct	gaottccagc	ctgtgtgtgag	ttatctccctg	55860
ctgcccagca	aaccacccctga	aaacttgggtg	gotttaaaaga	gocacccattt	atgaaaacctc	55920
acaattctgt	ggttgggtgtg	gaottctccct	cttgattccgc	ttgggctccat	gtgactccag	55980
tcacgtttga	gtgtctgtgtg	gaottggaaag	tcacagatggc	ctcagtcaca	cggttcagtg	56040
gtgtctggctg	ttgcccagggg	agttcccccac	ccctccactaa	gacagacacc	tcctctccatg	56100
gocctgcagcc	tcacaaagaga	ggcaaggcca	gaaatggcag	gaocctcttga	ggaggccctag	56160
tctctataaac	tcacaaaatg	tcactccacac	cgaatccctat	tgatctaaaac	aaotctccag	56220
gocagctctc	agcagggtgga	gaacagaactc	cgcctctctga	taggagggaac	tcacagaggac	56280
ccctgcocgt	ttctcatctat	tcacagggtga	gagttctcttt	gpcctctcttg	acotctctat	56340
aaatggatct	cataagtgta	ttctctgtgtg	tgcctggctt	cttgagtcaca	catttgtgttt	56400
gcaagatttta	cccgtagtgt	tgttggatga	agttgcagat	cactcattcc	caagccctgtg	56460
cagcagtttg	ttgtgtggaa	acaccagtgtg	acccattctc	tgggttgggtg	ccatctggga	56520

agttttcatt	ttctggctgt	tacgaattgc	cttgctacga	gcatttctaac	acatgtcttc	56580
tgggtgaacat	atgcacattt	ttctgtggac	atggagttcc	tgggtcatgg	gagaggtcac	56640
agggtaagag	acccttccaa	actattcttc	caagtgggtg	gtctagtgtc	tagtgtgtgc	56700
cccaccagca	gaagggggac	tttaciaaaga	cccagctgaa	gatgggctgg	aggtgcatct	56760
tgtggacact	ggaaggggct	tcctgtgatg	tccctctctg	ccgccctgag	cctcaggccc	56820
ccaggtcagg	ggaagtagag	ccatgaggct	gatccctctt	ttctgagcat	gagctttcct	56880
gctacacttt	ttccacccca	gaggcctcct	attgccttct	ccttttccca	gcagctgcct	56940
ttcatgggtg	acctgaccct	caacagtcag	ggaggccagg	ggtctgcaga	tgcaggaaact	57000
ggggggagac	agccacacag	cctccatccc	tgaggagatt	tggacttcac	tccagccttg	57060
cctttcacca	tgggaggaac	cctttccctc	tcagggcctc	agtttccctc	tttgtaaaat	57120
gacaaggaaa	agtatcaacc	tcaccaagtc	cctttctttct	catcaatctg	accccatatt	57180
ctagaatcga	atagaggaag	ggatgggggg	aggcctcctg	acttcagtca	gcccattgtt	57240
ttctgtttgt	tcactgcaca	ctttcacggc	accattcctc	catcaaggaa	tctctgtggg	57300
ccttggttaac	cagttcagag	gacagagaga	aactagactt	cactcccaat	gtccaggagc	57360
tgggcctgga	gcgggagagt	gtcctgtggg	aagcgggagg	aggcaagggt	ggccaggcgc	57420
acagcccact	ggagatgaac	aagcaaggag	gggctgggtg	gagagggctc	cacggaagca	57480
cttgagcaga	gtctcaaagg	ccagggggcc	ttgaaagaca	gagaagtggg	gagaagagct	57540
ctgagcgggg	caccacagct	gtgccaaagg	cggagccagg	ggctctggga	ggccgggctg	57600
actggagcct	agtgggtggg	aggcagggtt	ggctctgtgt	gtggctctgg	tttcagggct	57660
gcggggctgc	tcggccgggt	ctggggcttc	gaatgtgacg	ttcaggagct	gcgaccttta	57720
tttggcagtg	gcaggacggt	atccagtgtc	tcgagttagt	ccacgttggg	gggccagttc	57780
catcttccag	gagatggcag	ccaggacctc	gaggtccatg	acgtgggtga	ggggctgccc	57840
gcagggtcag	agcttggagc	tcactgcccc	ctttcttgtc	tcccatagga	ctcacggcag	57900
ctgtgttctg	atttcgtact	actgctgggg	ctgccacctc	ctctctcaga	cgtctcagc	57960
agacttgagt	cctggtcctt	ctgcagaggc	ctgagcaggt	aagtgggatg	ggctggccct	58020
ctggtgctgt	gcacctgctg	acgtggggca	gacagggagt	gcgggctgcc	cagagtgcct	58080
ggtgctgttt	caggggcccc	gagggctggg	gaggggaagg	ggcttctttc	tcagtcttta	58140
tttgttccct	ggccttttcc	tctcaaagaa	agccacacag	tggaggggtg	tgaatgtcct	58200
gacttgggac	ctggacatgg	gatttttatc	tgctgccaac	tcccagtatc	gccttgggta	58260
gccctttcct	tctagagggc	ctcagctttc	tactctagtc	catggaaaata	acagtaatga	58320
tatcctctaa	ccgcacaagc	acttaactgt	attctgggta	ctgtgcaaag	tactatagag	58380
ttattacttc	tttcagcctc	acagcagcct	tatgagagca	ttgctgtaat	caccagcatt	58440
gtacatgtga	gaaaactgaa	cgtcactcac	tcaggaaagta	acttgcccca	ggcggcacac	58500
ctggctgagc	ctagggttca	agtcacaggt	tgtgtggctc	cagtgcgcga	gccactgccc	58560
gctggcctac	tctgcctctg	gccttgctcc	tagcttcttt	ttgggggtgg	ggatcagggc	58620
aattatgggt	gtcttcagaa	gtgccagatc	ctgtcccaac	ttaagaaaaa	gggagagggg	58680
cttttaccag	gtgacaggct	cctgggtggg	ctggggtcat	gacccatttg	tjatgtgatg	58740
tggcagggac	caggcctggc	ctctgggtgc	ctctgaggtg	gcagccaggg	ccccctctag	58800
aggaggggtg	tgtaggctgg	ataaggcttt	ctttccctcc	gccctccaag	ttcgttttcc	58860
taagcttgta	tcaaacaact	actgtgtgct	aactcctgga	ttaggtacca	actgcgggtg	58920
aagggaaggg	ggcctgtccc	actctctgct	cctgtggagaa	acagaaagat	cccagtgatg	58980
tggcaagccc	cataacagtg	gctgtggagag	ggttccagag	ctggggggag	aattctgggg	59040
aggtgaccac	aagttagtta	cagtgtgggg	agacagaagg	atagatggag	cagaacctgg	59100
caggatgtgc	atgcacacac	agacatgagt	ggtgggtgag	gcatagataa	tacagatgtg	59160
caaatgtggg	cttccctaca	aaagtgtaca	cagacgtctg	ttctgcatgc	caaatgaatg	59220
cacacagata	acacttggtg	gcacttgcat	gctcacatac	acatgcacaa	actcgtgttg	59280
gaactacaca	catacacggg	cacaaaactc	cacaagacaa	cagcattctg	acacacgggg	59340
ctgcataccc	atgcacacac	aaagcagggt	gcattcccaac	aagaagaggc	agttccagag	59400
togatggctc	tgcacgggca	aaagcttcca	gcagctccctg	ggaggctctg	gacagcctgg	59460
gcagaggttg	agctggagct	ctgttttgtg	gtatgttggg	gaggggtgtg	gggcttgagg	59520
gcagccatg	tgactgacca	tggacaagcc	cttgcccgct	ctaggactca	ttcccccatt	59580
ggaaacagga	atcgtccctg	tccgcctcct	atacgggtgg	cgcaggatg	agaggctgct	59640

gtgtagattg	ccgagagcaa	ttttggggcac	tctgcagggc	ttcaacaaat	tgaagctagt	59700
agtctcatga	gaataaaaaca	ggttacaggt	aaagtgggga	tgtgggggct	gttcctctcc	59760
aggcttctca	tcccttgggg	cctgggtact	ctctgaatca	tgggcatgac	agtcaccct	59820
gcctgcctcc	accaaggtgg	tgggggtctgt	gtcatccctg	ctcccgtct	cccacctgca	59880
cttccctggt	gactcgtgag	gagttggggg	cctgcagtg	ccagctttgg	tacaacaacc	59940
acatttgact	ccctgccagg	agactggcac	attgcctcca	tgagtgtct	aaatcccctt	60000
gagaagcctg	agaaggcctt	accaagcaat	ttccagatga	ggaaactgag	gcacaataaa	60060
tgcaggtgag	gttctcaggg	acacctgtct	ataagtgttg	gagctgggct	tcggatccac	60120
gtcatcagat	gtgaacattt	atgctctttt	ctcccatgat	ctcctctcag	ggataggtca	60180
tttattaccc	actttgcaga	taaggaaact	gaggctcaga	gagggcaggc	cactcagcca	60240
ggaagtagca	cagccagaat	tgggtgtctta	ttaaccacac	tgcacccacc	tcaattcaac	60300
acttcctttt	cctttccctc	cctccttccc	agagagcccc	tccaggttag	aggggggttc	60360
cgaggaggct	tctgggatta	tctgggtttt	agttctgacc	tagtattccc	aggcatacct	60420
gccattttct	tgcaaataga	aagataggt	attctctggg	gtctgttttc	tagcatgacc	60480
tagtaacttc	ctctccacaa	ctcctttgta	aagtatcctt	aggattgtcc	tttggaaact	60540
tggccagcag	aaagctctgg	ggtacccaag	aggcttgag	gagtcctagg	cctttggaga	60600
ggtagccact	gcttgcatat	ccactgggag	gctctgtgac	ctgctaaagg	atcagggtgt	60660
gggaccacag	cacagggagc	caaggttctg	cttggcatgg	gtggtaggta	ccactatgga	60720
aggaatattg	gaaggatccc	cgggaggtga	tatttaacct	gggccttgga	aagaggagaa	60780
atltgtatag	ttgatgtcaa	aggccaagga	agaccagca	gaaggctcag	ctccaccaa	60840
gtcccagaaa	agtgaagatt	tattcatggc	ccttcgcacc	tgcactctgt	cccaacaata	60900
cccacagag	tctcctagaa	ttagggccag	ctaaataatt	tagctgtggt	ccaatgctaa	60960
atgaaaatgc	agagcccttt	gttcatgaat	tacaaaggat	ttcaagatga	tgacagcaga	61020
gtagggctct	tctaagcttg	tggccctgtg	tgacggccag	tgaagccaac	cctgcttgag	61080
taagtgtagc	aattgtggga	tttagcgcca	agaactgagt	tcacgtgcag	gggccaccag	61140
ttacttacca	ggcccacgac	cttgggcaag	tcctcctcat	ctccgtaagc	ctcatctgcc	61200
aatcagcgat	ggtacccctc	tgccctgcaga	ggagggctcag	tgggtgcagc	atctagctta	61260
tccaagcag	tccaggacag	aagctttggc	cggggtggag	tggcaactct	ttccgtcacg	61320
tagtgatggt	caaggctctc	ctgacccacc	ccatttacct	tccagcgctg	cccctgtcta	61380
ccttggtggc	ctgggttttt	gtgcttttcc	aaatccacct	ggctgggcag	tggagggtat	61440
ggggagctcta	ctctgtttta	tttgcagagc	ctcctgtctg	gactgtcct	tgcccacact	61500
cccactctct	cttggcagac	tcactcctgc	aggttagatg	tcattggagat	ttctttgacc	61560
cccagctctc	tcccttccaa	cctttactct	gtgatacctt	cagttagctgc	aatgacctct	61620
tgcactatag	agttctctac	agtgtgcgaa	gtcctttccac	accatccaca	ccctggagag	61680
ctcttgaaag	gccttattcc	catttgctag	ataggaaaac	agaggctcag	aggtacaacc	61740
atcctaagtt	cctgggctga	ggtcagaccc	acatcgggta	ggggtgtaga	cagtggcagc	61800
agagaatggt	acctaggctc	cacctctggc	cgcctcatct	tgcagcattt	gggaaaactg	61860
gcttttccct	tctggtagaa	agctccagcc	cctggcccag	gagaggatat	tgggttgtctg	61920
aagagggtct	ggtagagcgc	agaggctccag	ccagctagag	cagactagcg	cccagccctg	61980
cttttcccca	caagtgatgt	ggcccagttc	acgtggctcg	gggaactaga	gocagggtata	62040
catggctctg	aagtctgggg	cagaggtgag	aaggccctag	ctggcctggg	ctgcaaccgc	62100
aggcaaaagg	tggccacaga	tgagaggggt	atcgtgtccag	gggcattgaca	aactgttcca	62160
tatggctggc	acttcacaaa	agacactcaa	aacactcttg	gtggatgagt	gtggaggatg	62220
ctggcagatt	goggtgtgg	acgggtctga	ggcatggagg	ttttccagct	ctgttacccc	62280
tttctctgtg	gcttctgatg	agcgacttca	tctctctgtg	ccccatttcc	tcactctgtaa	62340
aatggggaga	atatccctct	agttgggagg	gattcaaccga	agtaagccat	gggcaactct	62400
acagccatgc	ctggagccatg	gttagtgctt	tctggcactt	tctagcatga	agagtgaggg	62460
tggcagtagc	gggagtgaat	aggggtggga	ctccagggt	gtggccacac	aggagggttt	62520
cctccactga	gcagcatggg	tgtgcggctt	tttaagagaa	ggtggagagg	gagatcaggg	62580
attgggggtg	ggctggattt	ggatttccata	tgaggcaatt	ccaaacagct	gttgtctcaga	62640
gctctgtggg	cagccacctg	gggtgagggc	tgcactctcc	tggccagccc	ctccagcccc	62700
tggtgtgtgg	ctttaggctg	cggccatgca	caccttaagt	tgtcagtcag	cagacttcca	62760

gggttacata	ggcggttttgg	ggctggccat	gaagacettg	aatgccaaagc	ccagctcaca	62820
gcaggcctgg	ccaggggccca	gcccgaggcc	acacggagct	gggattccag	ggtccgcata	62880
tggcatgcct	gtcaatcttc	agcgccagct	gagaatgcac	acctctcctc	ccactgcgtg	62940
aaatctgtgg	cctgcagccc	aggccctcca	ccccagcctc	tgcagcctgc	tatgactcca	63000
caacccccac	ccaagcctgg	atctgggaat	cgtttgcagc	tcactgctta	ttcctgcccc	63060
aggtaggatg	cccctctagg	tcaggagggg	gggactgctg	tcctgggtggg	ccctctgagc	63120
aggacttggt	ttcaagcctc	agtcccatta	agaactgctg	tgtgaccttg	gacaagttgc	63180
tgccccctct	tgagcagctg	tttattgggt	tgtaaaatca	gaggattggg	gtaggtcagg	63240
gattacaaac	tgcagtcttc	aagggtgtca	acaacccatt	gaagttggga	ctatcctggt	63300
gtacaaatga	gaaaactcaa	agcacagaga	ggttaagaaa	cttagccaag	gtcacacagg	63360
ttatagtggg	gctaggactc	agcccagttt	tatctgacac	cataatatgt	gttttcccta	63420
ccacaacaaa	ctgcctgtca	cagatacttg	cttgtttgct	gggtgatcca	ttttgtccat	63480
cagccagctt	ggtgttgaac	acttccttgt	gctcctgcac	cgtgctaggc	cctgggtatcc	63540
aatagtgaat	cttcagttga	gctgggagag	cacagctcca	ggtccggagt	tctgagtaga	63600
ggtcacagtc	tccagtgcag	ggttgctagg	taggtgcagc	tctttcctca	tgctgtaggg	63660
ggcagccaga	gaagacttcc	tgggtggagg	gtaaggggag	tggggttcct	atacagagtg	63720
gaagagtagg	gtcttccctg	ggtctctgca	caactgggtg	gcatgggtca	gggcagtcog	63780
gctggggagg	aagattcatt	cagccacagc	tgaggcagcc	cctgaggggc	ttgaatgcta	63840
ggccacagag	tttgggccatg	aacctgcagg	gagtggggag	ctaaaagaga	ctgcagggga	63900
gtggcacctc	ctttgtgaga	gctaggaggg	ctggcctcag	cttgcaagct	agggcaaggg	63960
tgaggtgtgg	tccagtctaa	gacttagttc	accaggaac	tgtggcagca	ggaagagcaa	64020
ggttgagggc	ttgtccactg	gccggacctt	catgctccac	cacggcctct	tcagcaacc	64080
aggcacctct	gctggaccag	gcgctggggc	tttctaccaa	aagggaagc	cagtcttctc	64140
aaatgctgca	agataaagcg	accgacgatg	gagccagggt	ccacaatctg	cacacctccc	64200
ccaaccccat	ctgccatggg	cctgacctca	gctcagagct	tggggcaggc	gttgctcagt	64260
gacacagtgg	gatcagagag	gctcagagac	cagcccgggg	gcacacagca	ttcctcatgg	64320
tgggtacaga	ggctagagca	ggtaggcagc	atctttccca	agagaggtag	gtctgggtct	64380
ccctctggcc	gtcccagggt	cctggacatg	cttcatggat	ggtgtgtgct	cactctggta	64440
ggagtgtaa	gttgtaaaga	gttccctggg	tgttacttac	tgagggcgct	tctccctccc	64500
actgatgttt	gccccactgg	ctctttttga	gctctggagt	ttgtctcttt	ctggttcatg	64560
agccacacac	ccaggccaca	cattggggca	gaggacagcc	ttggccgtgc	ctgtgttcc	64620
aggtctgaag	cctcagcgac	cttgacagca	gtaatagaca	ctgggtgggg	ccacaagcgt	64680
gacatcttta	ttggaataaa	aacaaaacca	cagcctctct	ctcgtgttgg	gaggagtgg	64740
ctttagaaat	catttttacc	acccactcca	tggcacagat	gaggaaaact	aggcccagag	64800
ataggagggc	atgccccaa	gtagccaaca	tggcgcttca	ggctatcagc	tgagtgcagg	64860
gacacactaa	actgtgtagg	ctacatgggg	gtgcagaggc	tggcaggggc	agggaccagc	64920
agcagcgata	ggagccttct	atctgcagaa	aggcaggact	gacctgaag	ggccaaggaa	64980
gctctggggg	cctgtggaga	gccacccaga	actgggactg	agagctgcac	gggaacccgc	65040
agacctggct	ccgtggagcc	gcatttgtgt	tctgcctcct	gctgtgagag	gttcgccacc	65100
acaagcaagg	gcttatcctg	tcattccatt	accagagag	ccccagttag	gcccggattt	65160
gtaggcccaa	tggtcaggjc	taggggcaac	gctcagagt	cagggcctag	tgtgaggctt	65220
ataaggggca	agggagtga	gaaataaagt	ggactcagga	aaccaggggc	tgccttccc	65280
ctcatcagcc	ccctctgcba	aggcttagca	gagtgtccag	caggctcaac	catctgggag	65340
gctgctgacc	acaggcagca	tggcattacc	tagggccagg	gcttaggggc	tctgaaggcc	65400
tcagggggtca	gggagagctt	cctggaggag	gtgagtgcba	gctgagcccc	aaagaatgac	65460
cagactgtga	acccaaactja	aagcattcca	cgaaaaggja	acagctgggc	caagacccctg	65520
tggcagccac	actggggcag	ataatggggg	ctttgtggag	gctaggactg	ctcagggaaa	65580
gaaatgaggc	tggaggtgcc	ccgggggggt	tggagacggc	agaaggaaa	aaggttatat	65640
tttgccttta	acttgcataa	tgcacctgag	tagatcactg	ccccactttt	gtgctcaggt	65700
ttccctttta	tctcctctga	gcttcaggca	cctggggagg	cacagcaggg	aagtgcctca	65760
gtggaagagt	cggcttctgg	aggcttttag	ctgatgctgg	ggatatgagc	tgagggaagt	65820
atgggcttcc	ccagcacctc	gggggcagtt	ggcccagaag	gctgctgctg	gacccaaggc	65880

ttctccccag	tggaggagag	ctgacctaa	atttctgggg	tttgccaggc	tggaccaacc	65940
tgagaggatg	agggattagg	tccctggggc	agccccact	acagactaag	gacctgggtc	66000
ccaggataaa	atgagagatg	cgccctccct	ctcttttctg	tgaccaactc	cttcttttct	66060
ccttctgcct	ccttccctcc	tgctggggac	agggagggga	caatatattat	tccttcccaa	66120
ggctgcagct	gactgatacc	ctgatgcaga	ggaaatgcc	tgccagtgcc	aggcatgctg	66180
ccggcgctct	gggtgcctgg	tgccctctcc	agggtgtggc	cctccccata	gcccctgggt	66240
cggcgggtct	gtgtttgcag	agcctccact	gacctgcagc	ggcctctctc	tcctgcctct	66300
cctatcagca	gagcgccagc	catgggctcc	ttggactaca	agtcgccggg	attgcgcaaa	66360
ttccccccagc	agtttgcaca	gcagccagct	caggccccgt	cagatggccc	aggttcctgc	66420
tggggaagcc	cattcttttc	tgggaataata	aagcagccac	cccacagcag	ggggtggcaa	66480
gcttctctta	tcctcacaac	ccttgactca	tgtcaccctc	ataatatcaa	gtgggctggg	66540
gagggttggg	gaggtgggtg	gcgttttcca	gagggggaac	tggagtccaga	gaagagaagg	66600
catgagactt	gaccagggtc	acacggccca	gccaggactc	caaccaggcc	cctgctcagc	66660
cttttttagac	cgagccagtg	tttccctgtt	agggccatgc	aggagggtgag	tcaggagcag	66720
gcccctttgca	ggagctgctg	ggggccagca	ggagaggcca	ccagtctctg	tcctccctct	66780
ttggctccag	ctgctttaat	tggctggggc	tgccagtggc	gctgacattt	acctgggtgg	66840
aaggaggggc	tcctccctct	tgaattgaga	tgctaaaaat	aacaggggcc	agcttcccaag	66900
ggccaactgt	cagccagcgc	ctgcctgccc	cctcagctac	ctttttcctg	ggtgctggaa	66960
gctaattgct	ttgcaagcat	gcagttccct	gcgctgagaa	cttccctagg	attgggacag	67020
gaggaattgc	atgctcagct	tctgagtcta	aagagggggt	tctgcaagac	ctccctcccc	67080
tccaggcagc	aggggtgatg	tcttctgcct	caggtctccc	tcctccctttt	ctccctgggt	67140
gcagtacctg	tcagggttga	ctactccacc	cctaggtgct	tgggtgcctt	ctttgagctg	67200
ccagagtttc	ccctgctcta	agagaggggg	ctctgccctc	cttggagttt	tctagtactc	67260
acctctccct	gcaccatact	cgaccagac	atatgcgggt	tgccctctct	ccctcatgct	67320
gttcattttg	tcataccagc	aaccaagagg	agcccaggct	tcggagctgg	acaagttaa	67380
atccagctgt	gtgaccatag	cacatttcca	agcctctctt	ttctcatctc	agaaatgggc	67440
atgaatctga	cctttgcagt	gttggttcag	aatgaatcgc	agtgggcaaa	acatgcctga	67500
tcaagagtgg	agccctggg	gccaggagga	ggcgtgtgta	catcatgggg	cgttcccttc	67560
tcttgctgtg	taaataagacc	ctggaactca	aataaattag	attgattgga	ccagaagggg	67620
aagggtcttga	agaccagggc	taaggattag	ggactcagtc	tcctgaaaa	cagggtatgc	67680
ttgccaatcc	ccagggcacc	tccagagtgg	cctgtgtgtt	tgtccagttc	ttgccctggg	67740
tcagtgtgac	cataatcatt	ttgacattgg	ccagcatctc	ccgggctttg	ggatcattcc	67800
agtggaaaaa	gtagttttca	gtgctctatg	cttggcaggt	gtgagagcct	gggcgtgctt	67860
aacctatcca	cacctcaatt	tcctcatctg	aaaatgggga	tgataatact	tccttccccg	67920
ttaagtattg	taaggattag	attagcaaca	tatgcacagt	acttagaaaag	tctggtgcag	67980
ggtaacactt	ggtatgtgtt	agctggtaact	catagttagta	agaatagtct	agcagttggg	68040
agtaataaca	gcagccacct	gcggtttgtt	taatggtttt	tatcagatgc	tgtgcgggat	68100
gctaagcaat	ttaagtacat	tattttaatgt	cactctcccc	cacctcccag	caaccataca	68160
caaggtaactg	ttataagctc	tgagtccag	atgaggaaaac	tgagacacag	agagtagtgt	68220
aactgaaaaac	cagagtccag	catcagcccc	actagggtgg	ccgtccagat	tgccctgggac	68280
cgctctgggt	ttagcatgga	aaattctgtg	tcccagaaaac	ctgtccactg	tgggcaaaac	68340
aggatgggtg	accacccaag	gcctgcctga	gtccactggc	cccaactctga	agccacacag	68400
atcctctctct	tggcgccagg	gcttgcctgt	gcagtcgctc	ggccctcttc	cacacctcat	68460
aggccctctcc	ccagccagga	ttgtgcctgc	ccatccccca	gggcctgggt	ccagtctctct	68520
ctctggcttc	ctctcttccc	tcccctctgc	cagcaggagg	ggcatgaact	atgcctgggt	68580
ggctctcttg	tcaaggctgt	gactgcagtt	gtctgggtgga	ctctgagctg	ccctccacca	68640
ggcctccagtc	tccctatttt	cactgagggc	tttagtgggt	ttgctcccaag	ctttctgggag	68700
acgttcaggga	aacctcttcc	ttgaaagagg	gagggccagag	cgagccctct	ccccccagccc	68760
tggcctgagc	agttgggagg	gctgcactg	gccttccggg	tgcattgatg	gagtgcactg	68820
ctgacaaaag	agaaaggtoa	gcagggggac	agagccggagt	tgggtgggtgg	ctgctgggct	68880
gcagtgcctct	cccacaagat	agggcttccct	gggggagggg	agcagtgcct	cctgggctct	68940
gggtcaattc	atattgatgc	aggcagctgc	tggttccagca	aagctgggca	tccaagcccc	69000

cagagggctg	cggggagatg	cctaggtcat	ccttgacacc	tcactttccc	tgacccccac	69060
atccaacagt	tgattaggcc	cccttaacca	tctctggatc	tgtgaccctc	tcagcatctc	69120
acccctgctg	gggaccatct	tccctgttct	gaatccctga	gccctttcca	gccctccctg	69180
gcttccccca	tcaccttgca	taaagtcaga	attttgaggc	tgacattaag	gcccttactg	69240
agctcagaaa	ggctgcccag	agctgcccag	gccttcccta	atatcagcct	tcttgtgccc	69300
tccacccctcc	aaccccaagg	tcattgtgaaa	ggtctgggga	caccctgagt	gccaggccca	69360
gcgctgtcca	gtcaacactc	caaccctacc	cagtatacag	ggctgagcct	gcagcagagc	69420
tgcagccagg	tgccaaatgg	atgcagtgcc	cctgcccgtg	ccttctcaga	ctcccccttg	69480
agctgtgtgc	atgcggtttg	ccagtggatc	tcattgcccc	gtcctccagag	ggcaggagtt	69540
atctgtctcc	ccagcacaca	tgacagacca	gatgatggca	ggaaagcgcc	atggtttggtg	69600
cataggcgct	ggggtcataa	tatgagggtc	tgattccggc	tccatcactg	actaacctgtg	69660
tgaccttggg	cagtcactta	acctctcggt	gcttcaatga	catcatttct	gaaatgtggg	69720
taataatatt	ctgtccctca	caggatagtg	ggattcaata	aagtgacact	tatgaagtgt	69780
ttgcagggtc	ccagaacatt	ttaaggatca	gtaaagttag	ctcccatcag	tcattcatcag	69840
gcaggtatct	atgaaatgag	caccgtcttc	caaatggggc	cctcccagtt	ctttgaaggg	69900
tccctgtcatt	tttgcccggg	ttgttccctc	tttgtcttcc	tccctgtcta	gcattcccgt	69960
gcacccccgc	ctgacatctc	ctgagactcc	aggaagccag	cctgccctag	ccttgcatte	70020
ttgcctaate	caccccatgg	ccatggaatg	ccttcaggct	atggccagga	gttcttccca	70080
tgtccccac	agctctgcac	aggttcatgg	accacagtgg	atgcctaata	agaatttgtt	70140
gggttgaaac	gatattcacc	aagcaaagtc	acctccaaga	acaatgcagc	aatgaccagc	70200
caggccctctg	ggcccatcca	cagcccatgg	aggacatttc	tgagaccagt	cctgagctac	70260
tctgtgcagg	agaacagcac	gtgcccactc	tggcctcttc	ggtggcgggg	gattggggat	70320
aggtgggggt	ggcactgggg	ctcagcagcc	acactggaag	gtttttcagg	gggtttatct	70380
ccctctctct	tgagctgtcg	tgctgttttt	gtttgcctcg	gtcccttccc	cacccccaca	70440
gttctctgtt	aaattgtgtt	attatattta	aacaaatcaa	ttccattgca	gagtttttcc	70500
tgtccaatatg	atgagttttg	agcacaaatg	ccattgattt	ctcacagccc	tgaaaaccag	70560
ttgatgaata	gcaccaggct	tgtcttttgg	gaggcactta	gagcagctct	gcattggcccc	70620
ctctgcttct	ccctgtgtct	gtccccctca	ttcaggaccc	cacctccacc	ccacactctg	70680
ctgccccctg	agttggggct	gaagtcatgt	gataaaggga	gacctctctg	gctggccagg	70740
gctggaatgt	catcgcaagg	gcccggcccc	tgttctgggtg	gaacaatcat	agtggagatt	70800
tgtattgatt	ttggccaaag	gcacaactta	cagagcagag	aagtgggtgcg	gtgtgatctt	70860
tgtcttccct	tacaagtcca	gagcgcgttc	ctgagagtga	tggcagatag	cagctcagac	70920
accatttcta	gaccttgcca	gggtgtctga	aagacctttg	agcactgctg	ttttaaaggg	70980
aggtctcaga	ggtttgagag	ctgtctgcac	tggggagtgt	aaaacttccc	tttgtgaaat	71040
ccttcagaac	ctgcagtgtt	caaagtccag	gttaaaccac	tacctggggc	tttgactttc	71100
agatcactgc	cacgtgcacg	agcttctctg	agctttctaa	tgaccccggg	gcttgggtgg	71160
gcaggttaata	ttgttccctt	ttagaggccg	gcagactgag	tcagggtagt	cactggagag	71220
agggaaaggc	tgcttgtcca	ctccaagtc	tgagtgcagc	agtggctccc	atgtctctct	71280
ctacaagggt	aatacatggc	aggggagcta	ctctgatcac	cagccttttc	ggcggggctt	71340
tctgtctgtc	tgagcccagg	tccctgtgca	ggtgtctcca	ctcagctgct	gcctgcagca	71400
taccacacaa	gcctgtgtat	tgggtctggg	tgaggcagca	gggagcagcg	aggactgtgg	71460
cattctggag	agtgcctgac	ccacctaaat	tccataaaagt	ttggacaaac	catgcccgtta	71520
aaagtatact	acatgggatg	agactggggg	ccaaattttgc	tgcctctccc	ctattctaat	71580
tcaagcctct	gttttgagga	ctagaatgtg	tggcccagaa	ttggaaatgg	ctcttcaagg	71640
tcacagcaca	aagcagtggg	gagctggggg	ttgggtctgg	gagaaggcga	tgaggcccca	71700
cagccagtgt	tctctccctt	ccctcaggct	tggcgaggca	gtgggggtggg	ggcaggggcca	71760
gggactgtgt	tctagggaag	atggggccct	cacccctgag	ttcaggggta	gctcagcagg	71820
ccccacttcc	ctttttctct	ccttctctct	tccctcccat	gcagacagac	ctctgtctcc	71880
tgtaatcagg	ttagcctctt	gctccgatga	gctggaccag	ctgctcttta	atgacctgtc	71940
gacctggccc	cctctcaggc	tctgggggtg	gggaggggaa	gctaagaaaa	gaacgggtcgg	72000
tggaaagagg	ctgtccactc	ccttgattca	gacctttcca	cagcttctag	gatcaagtc	72060
aaacccttag	aatagcates	aagaccctgc	ttgtctctcc	agcaccaccc	ccctagtaca	72120

ctcttttct	gcagtcacat	gatgctgttt	cctacotccc	tgccttttca	catgcaggtc	72180
ctttggctac	ttcccacctt	ctcagaaaac	tctgtgcat	ccttcaaaac	ccaatttgtg	72240
cctcttcttc	aggactgctt	cctctgggtt	cctgcctctg	tactctcaca	gcattgggtg	72300
ctctgctggg	ctggaactta	ttcccactgt	gttggcctcc	attattcctg	gatctgggtt	72360
ctccggagtt	ccgggaggaa	aggaagaata	ttcccttccc	tctgcacctc	aggggtacag	72420
cacagagaag	tgctcagtga	aagtataggg	ccagcaaaga	agagagaagt	agggaccagg	72480
gaagagaaa	agacagacaa	gagtataaaa	acagctgctc	ccagcccctc	atactgccct	72540
agcctgcttc	ctgcccaggga	ggccattcct	agcgacgcat	gcctggcctg	aaatagacac	72600
atggggacct	tggtagtga	ttttcatagc	tcaacactaa	gcacccccct	cccccttatt	72660
ccttggggcac	tgaagctccc	tctcctccca	gggccttgcc	tctgcagcca	agacccccctc	72720
tccagcagt	cccagacctc	acccctctgt	ttctgttaac	tttgttttat	aaataaatca	72780
tataaatagg	ctcctctgat	tctcggagc	atgcagtgtt	taaggactgg	ggcattggcg	72840
caggcataat	tgtactaccg	aatccatcag	ctgcctaatt	accattcatt	ttgcatttat	72900
ttctgcta	taaaaagaga	gaaactccta	acaactttta	cataaatact	atattttgtt	72960
tatgtaaaga	tggtatgctaa	tttgcctggg	attagctgat	tatcggtatt	tatagctgtc	73020
acacaggatg	gcctctctct	ccatttgtac	cccgacacc	acttgaggcc	cctgatcaga	73080
tatgggagga	aggggtcaag	ggaggcccac	ctgggggggt	cgagggcctg	tctgaagccc	73140
ggggtcacca	ggagcaccag	atgccactgg	ggctcagggc	ggggtagggg	gaaggtgctg	73200
cagtctgatt	ggtggagctg	ggaggaacct	gtggctcact	caccgcttct	gtatagatgg	73260
agaaactgag	gcccagagag	gcctagcact	tcccagcaaa	acagtgacca	gggacagagt	73320
cagactgcta	ttctagactg	gactccagt	cccatcccac	tggtgtatgc	tggtgtcagg	73380
aggaatttgc	agggagggtg	ctttatctgc	tgctggagaa	ctatgaggac	cagactccaa	73440
ctcatgcaga	ggaaaggagc	acttagccca	tggcccaaac	tgaacctct	gtgtacctt	73500
ctgaaaacct	ccacctcctt	ctaactccct	gggcagccct	gggctttgcc	ccacggcacc	73560
ctgactgcac	ttagctaggc	tttctcccaa	cctggattga	gacttcccca	ggactggcct	73620
tgcacctgt	gggtatccg	gacacatgt	aggygtgcaa	attttaacac	tatgtatgta	73680
tgttcatgta	actaaggaaa	aaaatataat	taatacatca	aacctatgat	ttcacagatc	73740
atagtgcctt	tgtataggct	aagtaaaaaa	aaaagtaatt	ggtttaaagt	gatataaata	73800
attaaatagt	tttttttttt	gagatggagt	ttcgtctctg	ttgcccaggc	tggtgctatc	73860
ttggctcact	gcaacctctg	cctcccggt	tcaagtgatt	ctcctgtctc	agcctcccga	73920
gtagctggga	ttacaggcat	gcgccaccac	accagctaa	ttttgtattt	ttaatagaga	73980
agtggtttca	ccagggttgg	caggctgggc	togaactcct	gacctcaggt	gatctgccc	74040
cctccgcctc	caaagtgtta	ggattacagg	catgatccac	tgcacctggt	tgatacattt	74100
ttaatgtacat	aaagaattaa	gatggaatat	ggacacggct	tacagtacct	aataagggtg	74160
gttatttgat	aacttgagga	gggtctgaga	agaccaggct	aggaggccag	gcagttgagg	74220
tcagggtcag	cagtgaacctg	gggcaaggtg	ggccaggctc	gcagccacca	ctgcccacac	74280
ccatgaactg	gcagatgggtg	cctccagatt	gtgcctctct	ctcccagccc	ctgcagttgg	74340
tcagaattag	ccacacaagag	agcagtcatt	tgtcctccta	aaggtagttt	cactgggaact	74400
ctgttggggg	aggccaggag	gttggacatt	acccatttct	ccaccaagcc	accagttggg	74460
agtgtgtcac	ttcacatgga	catggcgtgc	acctgtttcc	cctggcattg	ataggtgaga	74520
cactgaactg	ccctgtttct	ctttcttctc	ggccaatctg	aaaatgccc	gttctogagt	74580
taaagggata	acagctttga	caaggccagg	tggtgtctgg	gtggccagag	agctaagggt	74640
cagggtcagc	gtggcccatt	ggcccattgg	agatccccaa	ggctttgggg	tcacaaggcc	74700
agggttccag	gcttggtctg	tgcttcccaa	agcgtcagtc	tcctctctta	taagatgggg	74760
acagctctgc	tgaagggtt	ctgagggtca	tgtgcaaaagt	gtccctcaaa	ggaagactca	74820
gtacagccgg	cagtgaagcc	agttccaggg	gcctctctgg	ccacccaccc	accgcgcgc	74880
gctgtgtctg	tgcgcacaga	gatctccctc	tcatcagccc	ctttatcgcc	ctgtacacaa	74940
tcagggggaag	ctgggaaggc	cgctggggct	gagggcagat	ggaaaaacaa	gagagaaaac	75000
aaaggcaactg	ctcctagggg	gccccaaagg	acctgcctcc	tcacccaggc	ctggccttgg	75060
ccaccccagc	cctccaggat	ctgcccaccc	cctccagaa	gatagctcca	gaactcatgt	75120
aggtcacccac	tctccaggga	cctccaggaa	gtcactcgtc	tcaggccac	ctttctcttat	75180
ctgtaaaatg	agagaattgg	acaacaggcc	atgtgacttt	tggcaaacct	tcacctctct	75240

cccaccctcc	aggggtctct	tggggcaggc	ccagctcgtc	tctaggaccc	cccagcctgt	75300
cccaggaagt	caagatgggt	cccacttctg	tctgtggcaa	ggaccccagc	cctgccttgg	75360
gcaggggtgag	gtaaacagja	ggccctgtt	tctgtccgag	atcttggggg	gtgctgggtg	75420
ctcagtgcat	ctgtgtggaa	tgaatgaatt	atttcacag	aagggggcct	actcagagtc	75480
agccctaggt	tgtgtgtgt	gttgaagcct	ctcagggag	gagacccttc	tggtcacttg	75540
agggaggtgg	agagaagtgg	tgaagggctg	gcaatggcat	ccctgccagg	ctgtctgggt	75600
tcacatcttg	gttgtgtgac	cttggactgg	tttcttaacc	ttctgtttcc	tcactcttaa	75660
aaattgggtta	tagtactgac	ctcataggtt	gtggtaagat	taagtggatt	aattttacata	75720
aagtgccttag	aacagtacag	ctaaagggtta	aatatcacta	tccatttcat	cactcttatt	75780
atgattagag	ggaggtttac	agggaaagcac	atgaagatta	ggcatcctgg	cctctcctgg	75840
gcacagccct	ggtgaaggct	gggaattgct	gggagctata	gagtgttcta	ggtgggaggg	75900
gcagcagttt	gcaaacagja	acattttctat	gtaagtattt	ctggtaaact	gttaaacagg	75960
ggcctcatga	gaaaggggca	tggatttcta	agaatatagg	aatttgttgt	gatttctttt	76020
ctgattctaa	atatatatatt	gtaatgttaa	ataattttta	aaacagggcc	tccaaaattg	76080
tataagcctc	agggccctgca	acctgagctg	ttcctgattg	tttctgttat	tgtgattgta	76140
tttctgtggc	ccagccctgt	gctgcccact	ttgggtggcc	tgacaggatg	gccagccctt	76200
gggggtccag	ggacctgtct	tctcacctta	tggacagcgg	tgttatgtgc	aggctggcct	76260
ctgagctgta	gtctacactt	cacacccacag	atggagggag	ctctgaggga	gcagacaaag	76320
gaaaatgggt	acctcagggg	aggtctctga	aggagtcttc	tctgcataatg	caggacacag	76380
agccctgtgc	ccagaggcct	agtggccagc	cctgctgctc	ctactcacc	ggactaggtg	76440
tggcaggcca	ggccctcttc	ccttcccact	ccccctcggt	atgtgccctg	gtggacaggc	76500
agggggcgggt	ggggccgtgg	gaagcaggct	gctgagttgg	aacagtcacc	cctacagtgg	76560
tcgttgagtg	gctggctgtg	caccaagctt	caggttcctg	ctgggtgcag	accagaatg	76620
gtccttgccc	tctgggagct	ctcccggtaa	ctgggaccac	aagatttgca	cctggaaggg	76680
ctaggggtga	gcaggggaag	gctgtaactag	accatctct	ctccgagagg	agacaggaga	76740
gccagagggt	cgtgagggt	ggaccctggg	ggaggacctc	tgagaggacg	ggccctcggc	76800
tggggggggg	gtgctcctag	ggtgggcgt	gtgggccctg	gcgcctctgc	cagcagcagg	76860
gcctctcggc	ccgggctctg	acagggacat	ttataactca	cagctgtgcg	gtcctgggcc	76920
caactgactg	tggtaaaccg	atctggcttc	aggaagtccc	gtcccagggc	cactccccat	76980
cccgaccccc	acactctctt	tcacctcctg	acacccacat	cctgttctca	gcgggagggg	77040
caggcggcgg	gcactgggcc	agggggccag	ccagggctct	caacctgtgg	gcagagtggg	77100
aaaggacaga	gagcagcagt	gaggccccag	tgtctggggg	tgcccaccat	tgccagcctc	77160
ctctcaaagc	acacacaggg	aggcagaggc	ccagaggcag	tgcaaggccc	ccaggagccc	77220
acaggggtcag	agcgccaaga	gcataggttg	tagggctcag	gggaatgttc	tgcgcctcca	77280
gatctacctt	gaaaggggat	tgccttcttg	gcctctgttg	acctactcca	gccccaaagg	77340
gcctgacogg	aggggcagag	tgaaccagag	gcctcagaga	atgctgggaa	agacggcatt	77400
ttgggcccctg	ggccttgggg	tggccctcct	ttgggacacc	ccgtcccca	gatgcttctg	77460
gcccatccca	cctagatcct	cccagcctag	ttcaagtgtg	gggccccaaa	tggctcttgc	77520
cagtgcctaga	aagagagaca	gtactaaagg	ctgcagcaca	ccatggctct	gaccccttac	77580
atcccttggc	ctgatacaat	gaccagtctt	tgggcccact	cagccagccc	gcccctcttc	77640
catgcctctc	cctcttcttc	tgcacaaagt	ttggccaaag	ttggccagag	taaatctggg	77700
agctacacag	aagattctag	aattagatag	tacccaacag	gacatacatt	tttgttttac	77760
tagttacaat	ttattaaaga	gtatcagaaa	tatataacta	gcctatcaaa	tcaattattt	77820
caagggcatg	attgcttttg	acaaggccag	atttatttga	gcttaaaaaa	aaagtgtagt	77880
gaaggtgaac	attaaattaa	gtcatcacac	aggtagatct	cagctcagac	caagaatcct	77940
aaagagcgtg	gagggaagag	tgaagtttgg	ggagcacaat	ctaactcact	accaggactc	78000
ttctctgctt	taaaactctg	atctgggcct	cctctcccag	ttataagcaa	aacagccagc	78060
cctgaacccc	gtaggagggg	caagggagtg	agctggcttc	cccgaggtgc	gtacacacat	78120
aaaatggctc	cgagtgttgg	tcagggatct	ggtgagcaat	tcataatgag	gaaagaattc	78180
aggcaggggt	cacagagtgg	cttttgaagt	ggctgcccgc	cgcccggtgtg	agataatttc	78240
ccgaagccag	gcacggcgca	gagaggaggg	caaggccaagg	gccttgtaca	cccggtctaaa	78300
aatacccccg	acagcttctc	cctgtcaccc	tgcctggggg	ccgtacagga	aagtgtatgt	78360

gttctgcttt	tctactaag	aagagaaaga	caacacaaag	tccccagtcc	tggaagaaac	78420
aaaacttata	tttatatatt	tttcaaaatc	ccactaggag	gaattggctt	gctgggttga	78430
gtgtggctgg	gcggggaaga	cacagccagc	tctgataaat	caggcatccc	ggggtgtgct	78540
taagtgaccc	aagaggccgc	tgagattagc	ttggcggcag	ggacagaggt	gggaggggag	78600
tggacggcac	accggcctgc	tctcacacac	gtctcatctc	tcccctgtgt	accagaggag	78660
aagaggagga	ggcccgttgg	cgtcggaaca	atgctgcaag	gggtgtgagg	agaggagccg	78720
ctgtttttca	ctgagctgcc	ataccccgaa	aggtaacacc	agccccgat	gccaggcca	78730
taccatcacc	tttgccctaag	cctgggcagg	ggcaagccct	agcagcccag	aagtgtctgt	78840
gctggaccag	agctgagggg	tttcagctgc	ttctcacagc	ctttcctggg	cctggctgca	78900
gggcctctct	ataactcctt	gtgtggtgct	catactgcca	gaaaaggctt	ctgggtgtca	78960
gtttgtctgt	ctccaaaatg	gggcactggg	ctcaggctct	gtacttacct	cagttctcaa	79020
ggattctgtg	agtcagttgt	gtctgatttg	gttgagccat	cttagcagcc	tggctcagtt	79080
ggaactctag	ggctgtagcc	aggggtccca	gcctttgtgg	atgctggatt	ctaaggctac	79140
gaggtccaca	gtgccatgtg	gggcttgaga	agggaggatt	ttccaaagca	gacctggctg	79200
gagatgtgct	tcaactggga	tgtggctgtg	gtctcctttg	tggcagcatt	caaaattcca	79260
aagttctccc	tgtcagctct	gggcaagaat	tattatctgc	attttcagac	cacgagaaca	79320
aggcacaggg	aagttaatgg	tgcctgccag	ggatcacaca	gctagctctg	gccacgccac	79380
agcagcttgg	cttcatecta	tttgccatac	cagcttctat	gcttttaact	cgacogtaet	79440
gcactcatcc	tctcaagaga	agttctgtct	ttgaggccaa	gcaaccacta	gtctgtattg	79500
tgtgctgtg	agacccatcc	ctccatccat	ccatcatcca	tccacttaac	tgtccatctc	79560
tccatccate	cctctttctt	ttagtcttcc	cacactcate	cacccattca	tccctccacc	79620
aactatccgt	ccttccatcc	aaactacttac	ccacccattc	cccccatcca	cccatctatt	79680
tactctttaa	ttcactcate	aaatatctcat	ggactctcac	accaggccag	gcccgcatta	79740
agggctgggg	tttttgtttt	tgtttttgtt	tttttgaggc	agggctctcat	tctgtcacc	79800
aggttgagg	gcagtgcac	gaacatgatt	cactgcagcc	tgcacctccc	aggctgaagc	79860
gattctccca	cctcagcctc	ccgtgtagct	gggactacag	gcattgcacg	ccacgcccag	79920
ctgattttta	aatttttgtg	gagacgggg	ctcacttctg	tgtccggggg	tgggttttga	79980
agacagagcc	aatttagccc	tgccttgaga	gggtgtggtg	tgcaatggag	tacgactcag	80040
atcccagagc	cagactgagt	tccataaggg	agtgtctaaa	gcctgtgtgg	tgaccatgac	80100
gacacagggg	acgagggaga	ggggacgtgg	ctgattctgc	aggcagacat	tccggggagga	80160
ggaggcggca	ttgctcatgc	attcattccc	cagggtgttg	ccgagaaaagt	ctgtcaggaa	80220
ctctttaagt	tcagagatat	agcagggaat	aaagcagaca	aaactccctg	cccttacggc	80280
gcttgtactc	tctgtaggag	gcattggtga	taaataccta	aaaagtgaat	aggtcaggtg	80340
acgctaagtt	ttaagaagac	aaatttagcc	aggtaggagc	acagagtcta	cagtgtaaaag	80400
tactctttca	ctagccaagg	aaagcttttt	tttttgagac	agggctctca	tctgtcactg	80460
taacctcgac	ctccccagct	gaagtgtatc	tcccacctca	gccccctgag	tagctgggac	80520
tacaggcaca	caccatcatg	cctggctaatt	tagtgtactt	ttagtagaga	tgggggttttc	80580
ccatgttgcc	caggctgggc	togaactcct	ggacttaagt	gatccacctg	cctcagcctc	80640
ccaaagtctc	gggattacag	gtgtgagcca	ctctgcctga	cccaagaaag	gcttctgtta	80700
agttggccat	ttaagatagc	tgaatgcagc	caggggagct	gcagggatgt	aattgacctg	80760
ttcaaagaaa	tgc aaataat	ccagtgtggc	tgggaggatg	tcaggatagg	gggcgaagtc	80820
agagagatca	tggaggaccc	actcctgtag	gcggacaagt	gtggagcaga	gagatagctg	80880
ggaagctggt	gcccacatcc	aggtagaggt	gatgggaaca	gggacgaagg	ggtagtggag	80940
gaagaggtgg	gaagccatca	aaggctgaat	atatttccag	gacccagcag	gcaggctcgc	81000
tagtgaatta	gaggtggagg	attcaaaaaag	acggagacag	tcagggaagg	cccttggggt	81060
tgggacagga	gcacgtggta	gaaggagggt	ggttattctg	tcagccaggg	acaatggccg	81120
gggagggctg	cgtgaagctg	aggagctctg	tcccagacac	attgagtttg	agatgccttc	81180
gagacgttca	agtggaaaaga	ttaggggggc	agctggaaat	atgagtccgg	aaggccagaga	81240
gaggtcccaj	actagagata	ttaaattcggg	agttgtcgtg	gattgatggg	gttcgaagtc	81300
gtgaggcaga	tjagatcaet	cgagagtgtg	tjggccttga	gaggttcagg	agcctgaatg	81360
tgagtcaagg	ggcaccacag	cgtttagggg	agtgagtggg	taagggtctc	gcagaggagc	81420
tggagaagg	gcagccaggg	aggggaacag	aaagcaggct	ctgagtggac	aagcaagact	81480

ctgctgggca	gtgcatggaa	azgactctgt	atgctgcagt	gggaacagcc	tacacaaagg	81540
ctcagaggcc	tcaataaacc	agccatatatt	ggagaggact	aatggagaga	caggagagac	81500
cacaccgect	tccgtgccac	acttgccac	acaggggcta	ggggctgtgg	gcaagcgcat	81560
gcctgggccc	tccccgtcac	cctggccggc	actccctgac	cctggccaag	catcttgccc	81720
tgatgtctgt	ccactttccc	actttcttca	gctagcacta	tggacctccc	tccgtctttc	81780
tggggctcct	cccccttgte	caaaaacgca	gggtcccagg	tggcaggtea	catgctgccc	81840
atggggaaga	ggcaccgagc	agctccctat	tgagcacctg	agcatggtgt	ggatccctta	81900
tcctaaaaga	tgtgaacctt	cccaggccgc	gagtgaagtgt	cagagcacct	gctcccagtt	81960
aggggagctc	tctgectttg	gtgggcaatc	atatacgtgc	gtgtcagtgt	tgtgtcactt	82020
cattctttct	ccatctctgt	ctctctcttt	ctcagcctct	actgcaaaaca	tcagcagtgc	82080
ccccccagg	ccaggccccg	ggctyggtag	gatccccagg	aacaagtgtg	ctcctgacct	82140
tcaggagact	ccccaccgct	ccatctctcc	cctggctcct	gagtgtacct	ttttggtgct	82200
caggagcctg	agcctgactt	agaattccag	ccttgccacc	caccagtagt	atgtcttggg	82260
gtgctgcagc	tgcctgttac	tgcagttcac	aggagagggc	cccccgagac	tctggaaaca	82320
gaccagggag	cttctgagct	atccctctgc	tctggctgag	gtttgacccc	gggcccactc	82380
acccctctct	ccacagcaga	gttgtgggtc	tgttcagatg	ctcttccctt	tcagcgtgca	82440
gctctagtc	caacttctcc	agaaagcctc	ccttgaccac	tctgaggtca	accagtgttt	82500
cctaagcacc	tgtgtttgtc	caaatgcagg	gctcgagtca	gggtgtgcag	agatgacagt	82560
ggagggtttc	tgcctgaga	actggcagtc	cagatggggg	ggtgggggga	caggtaaaga	82620
accacacct	tcagcataa	cagtgcagac	tgcaggtgcc	cagcagagag	aacggccttg	82680
acttggtcag	gaacggctgc	acacagtata	gctgcctga	acaaggccag	aggccgggca	82740
ggtgtgcaag	gtgtgatagg	ggctgggggg	tgggggtgga	gagaagagtg	tgtccaggcg	82800
aaggagactc	gggagcacag	tcagcccggt	ctgcagagtg	agtgcgggtc	gacatggcca	82860
ggacgtgaga	ggaggctcag	gagacttttc	cagggtgaga	attgaatgga	gccaggcagg	82920
gaactgtgga	cctcctctcc	ctcgggaaag	tcagggggag	atgccctccc	aaactctgcat	82980
cggggactag	ggcagcagca	gcagctgctc	tgatgatgca	tggctccgtg	gcagagcggt	83040
ggcaggaggc	ttcgggtaat	ctcattagtg	tgcocggcgg	aggggacgag	taatcccgty	83100
cctttagact	cacttttctt	taagcctgtc	cctatccatt	ctctccctaa	atccttgtac	83160
tgcttttggtg	acatcaggcg	ggactggaat	ggacttacct	ccattgaaat	gatgggtaaa	83220
acagggttag	agaggaaaat	tcttgcatga	tgccatagct	cacaaggggc	aggaactgca	83280
tcgctctgac	tcagaacccc	atgctcttat	aatcctctac	tatctcccag	actgtcttag	83340
actatccagg	cttatagact	gcctccccac	tggcccccatt	ttgcaggtga	ggaaacccag	83400
gccagagaaa	ggtaagacac	ttgcctaggg	ccacgcagca	agtcaaggac	agcactggca	83460
ccagaagctc	acctggcctg	tttgtgtccc	caccccaccc	cacaagcagg	cacagggate	83520
ccctgggtcc	ctgcccattt	ctgctggag	cacccactgt	gcttggtctt	cctgcagctc	83580
ttggcacccg	ctccgggtgga	aggcaccaag	ttcttcattca	gaaggctcca	tgtgtccctat	83640
tgttttaaata	tagattacta	atgaaaatgcc	tcttcattgc	cttccagctg	aatagtttcc	83700
gtgtaaagtt	aatttgacgt	gttatgtaaa	ttctgtttaa	cttcaatcaa	gtttctaat	83760
atgtttttac	cgacgtaatt	cccatttgat	tgttcattct	ctgttaggta	ttcaatgttc	83820
ggtggggcggg	cttgctttcc	gtctgcctct	cagttttcca	aggccctgac	ctctctctctg	83880
ctgtgtgtct	gtctccgtgg	ctcctgggtt	cttcattccc	ttcggctctct	tgggtggctca	83940
tttccacact	cctcgccatc	cctccattct	tctctgccc	tcacattccc	ttctttcttc	84000
ctcttgccca	gctgcacctt	cttccctctc	tgtttctctc	ttctctgtct	ccctctctcc	84060
ctccttctctg	ccctctttcc	ccctccccct	ctgtctgtgt	cttccctctc	tgtatctctc	84120
ttctgtatct	tctctctctc	tctctattcc	gctcatggcc	ttgcctctca	ctcttctctc	84180
ctctctgtgt	ctttctccac	tgaacaagac	ctctccctgc	ttctctgtct	acatttccat	84240
ccagtgctc	ttctctctct	gaggtctctc	ctccctctct	ctccacagta	gagctctctc	84300
cgaagctgca	ttccggagtg	cccgctggac	agagctctgg	aggtgtgtgtg	gggtgggggg	84360
tggggccacc	agaggagccc	tgtgcagccc	tgaattgttg	gggtggggga	ttgttgaaaga	84420
acacagagtc	taggtttggg	gtctccgggt	tcaaaatccc	ccccacccct	tgttaactgt	84480
gtgaccttcc	ggtagattca	cattgatttc	tgtgtgtcat	ccataaaatg	gggtgataat	84540
tttaacctgc	tcacagtaaa	agcccttccc	gaggcttcat	tctgcagccc	tgaacagtg	84600

gggtggggga	ttggtgaaga	acacagagtc	atggagttat	tgtgagaagt	cagtgaagata	84650
acctatgtga	agggcttttag	cggagggagg	ggcttggcca	gaattagcct	ttttactttc	84720
ttaagagaca	aggtctttgct	ttgtcaccca	gggtggagt	cagtggctca	ctgcagcctt	84780
gacctcccag	gctcaactga	ccctcccacc	tcagccttct	gaatacctgg	gactatagat	84840
gcattccagc	atgcctggct	aatttttaaa	atttttatta	gagacaaggt	ctcactatgt	84900
tgcccaggct	ggtctcaaac	tcctgggctc	aagcagtcct	cccatcccag	cctctcaatg	84960
tgctgggatt	atagatgtga	gctgccacac	ccagcccagg	aattagcttt	tatttgggaa	85020
ctcttggcca	tgcttttcat	tttttgcggc	cttcttgaga	tgcatctgca	gtgagtttct	85080
ggagtccctg	gggtcaggcc	tgaggccagg	gaaggggtgg	agctggctgc	agacccccat	85140
agagctggca	tttcccgtct	ccactctctc	acccctcagc	cttctctccc	tagagcaggg	85200
tctccgctct	gctgttcaag	agatgtggcg	tccttctgtc	ttagtgggccc	catctcaggc	85260
tgtgaggaca	agcctgccac	cctggggtag	tagcggagac	acagatcccc	aatgctggaa	85320
aagtgtctaa	gactctggcc	cgcagacctt	tcctcaagcaa	cagaccaaag	gcagagccgc	85380
tcctgctgag	ttggactaga	cacccccctc	ttctacccctc	cctcaccccc	tagatgcccc	85440
aaaggctata	atataccatg	gactccagct	acaaaaaccac	tggtccagggt	gcagcatggt	85500
ggcagctctg	ccatttatca	cagggaacttc	tctctgagcc	ttggctcccc	tcctgtgtgg	85560
ccccaacgtt	gggttttggg	attctccctg	agtttgggga	ttgtccctgt	agtcagggaa	85620
cggctgggtg	gccacagttt	cccagcagac	atctgcccctc	tgggtgggga	gggcgggaagg	85680
aaaacaccag	acacaggcag	ggctggggct	gggggggtgc	tctgccccct	cctctgtctc	85740
ccgtttccgc	ccgactctg	ctgggcttcc	caccagcaaa	acccctggca	catccaggaa	85800
gcagaaaaca	agtgtttggg	gagggcatte	ttctgggtga	agaagggcag	ccgtctactt	85860
gtccttcaga	gacacagaag	cctggggccac	atgactacct	gacccacaag	tggtctgtgcg	85920
tgtgtgtagt	gtacgtgtgt	gtgtgtgtgt	gtgtgtgtgt	atatccctgt	ccctggccaa	85980
ggaaacctta	gccatcacgt	ggctggtttc	tctcgctatt	tgtccaagta	agcagttcag	86040
gccagctgca	gccaggaggc	cgtgacacag	agccagggag	aagggccaca	ttggtgtggg	86100
tggtggcagc	gaggatcgcc	atgggcatca	gggagcccgc	agctgggtcc	tagagctctt	86160
gggcttcaga	atctgggtatg	gggaggcctg	ggctggggaa	tggtcttgtt	ctgatccctc	86220
gccctccctg	gacgactgac	ctccctgccc	caaccctctc	gtcaagaaaa	ggcacagagc	86280
ttgataacag	agaactctct	cagccctaaa	tagagagggt	gggcaccttc	tgaccagggg	86340
gagccgagaa	agacagagtc	ctcaccagag	aaaggggcac	acatgggcac	aaccaccatg	86400
tgtatggccc	ctggagtgtg	cttttagagcc	ctggccctccg	tggcaggagt	gtggaagcca	86460
ggcctcccgt	gtgcatccat	caggccactg	aattattagc	acctactgtg	tgccaggacc	86520
tggtctaggc	agggataggg	gttgtcagaa	cacagacctt	ctggaaactt	cgtcaaaacc	86580
tcgctctctg	gacatatttt	cttcccattg	gatgggcagc	accacctttc	attgcaaaaa	86640
ccctgtgac	ttgtcatgag	ctggccattt	ccaccccccac	tgccattcca	ggaggatgca	86700
acccctacat	tgttgcaggg	ctcaggaaga	gcagtgaag	gcaccgcaga	gocctctcatg	86760
gaccaagcag	gtgtttctag	ccagggagag	tgtccctctc	ctctagggag	gtgtgagcca	86820
gacccctgggc	ttccaaagca	aatgtgtgca	tgtgggcaga	acacagaggc	cctgggctcg	86880
gacacctggg	ggccttctcc	tagccacat	ggggagcaga	gcaccagggg	aagtggcagc	86940
tgacagagtgg	ggcctcccca	ggccttcacc	gaggtttgtc	agcctgcata	ctgtgtcttg	87000
catagatgac	accatctctg	ggggcctgga	ggaggagggc	tgtggtggct	ttttggggcc	87060
atgcttctga	gagcccaact	gcattcatgt	gtctgtttgt	ccacctcttc	cctgcttctt	87120
ccctctttcc	ttcctttgac	aaacattttc	tggcagccaa	gtctgtatgg	ggcccaagct	87180
ccacaaaaga	tacatccctc	acccctgcag	atcacggccg	aaactggaatc	cagcaacatt	87240
ccaggggtggg	ccaggggcca	ggcccaggta	aggtctagga	gagagctggc	tcttgggtag	87300
gaggcagggc	atggctgacc	ccacaggctc	ccctgggtcc	tgagggaagct	taggcgtact	87360
tccccaggat	aggccaaagg	cagagccccc	caggtgcccg	agacaagggg	gtgtagagag	87420
ccagcatcaa	ggccacacag	agcatcatca	gaccttgcct	ctgtttgtgat	gaggtctagg	87480
gtattcaatc	tjgaagagtc	ccacaggctc	gtgtgtctcag	gctgttctag	gaaaagccctg	87540
tcgggaaaaag	gggtggagct	gggtggccag	ggctgagggt	gaogcagatc	cgcacatcatg	87600
ccacctacaa	ctgaatgtgg	attctgggccc	gggtttttta	ataaagctgc	tgggtcagca	87660
tcacagaatg	ctgcctaggc	ctgtatgtcc	ccagccctcag	cttgcatatc	tctggggctca	87720

cgaggcttac	tactgccgtc	ttgtagttcc	tectgggaca	tggggctctg	gcctcccacc	87780
aggctgacgc	tgacttctgt	cttccaccct	gcttgtctta	gggacacaga	ctttaggccc	87840
ttggcagttt	ccaattgagt	ccctcccggg	ctttccctcc	tgcaggcaga	gcacaaagct	87900
gggtctgtac	gtggccccgc	cagggcctgt	ttgattgggg	taatctggac	aagtcacacg	87960
tggcctgcgc	tggcagccag	ggtgtggcta	aagtcagttc	ctgcctaagc	tgggctgacc	88020
caccttctca	ccactcagga	gctcccggag	ccaggaggga	ctgctgtgag	tttgccctca	88080
tgaggaggcc	cttgggctgc	ctttggtaca	ggcaggagac	ctggatccct	gctctgtccc	88140
tatctctgtc	cctgtccctg	gggtaatctc	gagcaaggct	gggcccagg	caggcccaca	88200
ccccctccca	tctgtgttca	tccccagcac	taagccaaga	ggcttttgtc	cctgggtgggc	88260
tgtcggccag	ctggaagagt	cctccttgct	ctctggccta	tttgctttct	gagtccctct	88320
gccctgggag	agcatgaatg	ggcaggagag	gggactggag	agggctgagg	gcctctgttc	88380
agatctctgc	cctcactggg	tccggctgcc	aacctctgca	ctcccaccat	accccccaac	88440
tgtggacagg	tgagcctcca	gttccctgag	ccacaggga	tgggctggat	tcacctggag	88500
gccatgggta	gccttgccagc	ccctgggcca	agctccctcc	ccacccagac	tctccagac	88560
acttcagggg	ttcaggcatg	ccaagtcagg	gtgggggtga	ggggtctttc	tctaggcgct	88620
gtgcctgtgg	ttgacatcac	gttgtccctc	tgtggggctg	cgtggccccc	tjgggtggca	88680
cgccttctgc	aagagctcgc	cctccaggaa	gttctgcatt	cgaagcctga	acttggcctt	88740
ggttccactct	tctctcctac	ctggctctct	gggcatgaat	tctcccaggg	gacactgctg	88800
tctgctgact	tggaaaggca	gggattcaat	caggggcccc	cgtccagctg	tgtctgaagt	88860
gtgccctcct	gggaagaaaa	cccagcagca	cttttgtcga	ggcctcacac	tggaaaatga	88920
acgggtgggag	gcctagaggt	aagaggccaa	aggccactaa	gcaggccagc	gtggcctgcc	88980
cactccagcc	cccagaaagc	attggtgctt	ctgaggaggc	ttgctcggcc	ctccctctcc	89040
cctgggctgg	gtggggccag	tgggacagga	agccaggggc	gggctggagg	atggggctca	89100
gggtggcctg	ggcctgagcc	agggatgagg	cgaaccccaa	ccctggcctg	gccccgggcc	89160
gcagccgtgc	aggtcactag	gcctcggcga	gtggccaccc	gcccacccaa	caggaagccc	89220
tgcccagaca	ccacctttgc	cccaccccg	attctctacg	gctggcactt	ctcctatttc	89280
ccatgagagc	tgtgcacagg	aatcctgccc	tcttgagaaa	ggaagcccca	cctcggggcc	89340
ccctgcctct	ggcctgcgct	gacccctccc	ctgggcctcc	ccgtggtygc	agctctgggc	89400
ccacgcccgt	cctgcacccc	ccacacatgc	taatgactta	tctcctctca	gacaaagcct	89460
gtgacctttg	gggacctagc	aggagaaaac	tcacagtggg	actaggcctg	ggagccagga	89520
ggctggggct	cttgggtctg	gatccctccac	caacctgctg	gtgcacctgg	gcaagtccct	89580
cagccactct	gggtctcctc	tgtagaaaaa	caggggagagg	cagacgctct	gcccagcaat	89640
gagcatccca	tgggataaag	ggtttggggg	gggttgaaat	tgtgcccctg	gaagacagcc	89700
aggcttgggg	ggtgataaca	caaaacccct	ccatccaccc	ctgtctgcct	ggaaaggagc	89760
ccctctctct	atctccacga	agccggggcga	cggagcatgc	ctccgtctct	cagctctgct	89820
cagggagctg	ggccagaagc	agggatgggg	ctgtgctgag	gggcaggctg	tcccaccacc	89880
ctcccacccc	cctcctcttc	ctcctcctct	gtgggtgctc	tctgacccat	gacccacctc	89940
cccaagtaag	cccaagccca	cctcagttat	agcaggggta	gcagcttagg	gaatcaactg	90000
tgtcttaaag	ggggccaagc	agaggggtca	gggcacccag	gggaaagacc	agagtctgtg	90060
tgacattgga	tgggttaaga	cagatccggg	ggccaccttg	agctcctggg	cgagctgaaa	90120
gcttgtcagc	agcagggaag	accaggccac	tgagcagcca	agcccttgcc	atgggggtgg	90180
cacagctcag	actctgggtg	ccttgggacc	attgctgctc	tgagcctcag	tgtctgcctc	90240
tggcaagtgg	acctttccga	gpcagtgtct	taggggtgct	tgagaagtcc	cttaagatttg	90300
gggacacagt	gctgggcccc	ctgpggcccc	tccctctgaa	tcagcctttt	ccctgtgagg	90360
gaaacattac	aggtccagga	taggactaga	ttctgtaggc	agtggggagc	cactgaaaat	90420
tcttagaggja	gtagtgaagt	catggggaga	ggaacccgca	gcagagaagc	ctggcacact	90480
catccgggtg	tggagccctg	attcaagagg	ggtcatgggg	caaagaaaat	tagcccaagt	90540
gggtgtcagc	accagctggg	cttgggaggc	ctcagtcttc	ctcctgtagc	tgggtgctg	90600
tccgcaaggc	tggagaggcg	ctgctcagag	ccagcactga	gggtggccac	accacccctc	90660
cttcttccct	tgggtgcccc	gagtcccaac	gggtgtgggg	tgtctggggt	tgcactccag	90720
gcccgggtgg	gcccactgct	ctctccctcc	ctccatggct	tcctagctct	gaatgggagt	90780
ggactctgga	gggtgcagtg	gggtgcggga	tgtgagccag	gggtggggca	ttggcgggtg	90840

gtggagtcac	gggctgggtg	gccatgagtc	aggaattgct	gggcctgtgt	gtcatctggc	90900
tgcgtgctgt	gctggctcct	ccgcctgtc	tgcctcatct	cgcccgcgc	catctgggcc	90960
ccctgggctg	ctccaccagg	tgatgggtgt	ctgctctgtt	tataagagtt	caaaacgtag	91020
gatggagtag	tcaggggacc	gggctctagg	gccagggctc	ccccaacacc	agaggtgacc	91080
ttgggcaggt	cccttcctc	ttctctgagc	caatttcccc	cattgaagag	tggatattag	91140
gctggccaag	ggatttcagc	catggcccca	gatgagatcc	gaggcagctt	tjaaagatag	91200
cccagcccag	tacagtggct	cacacctgta	atcccagcac	tttgggagge	tjaggcaaga	91260
ggagcacttg	agctcaggag	tttgagacca	gcctgggcaa	catggcaaaa	ccctgtctct	91320
acaaaaaata	taaaaaatta	gctgggtgtg	gtgggtggcg	cttgcagtcc	cagctacttg	91380
gagggttgag	gtgggaggat	cgcttgagcc	caggaggtcg	aagctacagt	gatcagagat	91440
tacaccaactg	cactccagcc	tgagttacaa	agtgaagactc	tgtctcaaaa	aaagaaaaga	91500
aagaaaaaag	ataaccacc	ccaaacaagt	taaatacagat	ctccggggcg	gggcctgcgg	91560
ccaggcttga	aagctctagt	ctggatggcc	tcagacgggc	tgccttctcc	gccttgcccc	91620
gatccccagg	cagcactgtg	ggctgggtgca	tgggttcttg	agcccagagg	ctgtgctgag	91680
tacagctcta	ccactttcta	atactgggca	agtgaattca	tgcctctgag	cctctgtttc	91740
ctcatctgtg	agatggggct	aacaccaccc	accttataga	atctgtacca	gtgtcagcca	91800
ccatgttctt	tgatctaagc	cagttatgca	ccactgctgc	cttcaactgc	cattcattct	91860
tccagaaaat	attcggggat	tcctggacct	gccagcctgg	tactgggtgc	tgtggcaaca	91920
ggaagaggaa	accaccatg	ggggtccagc	cttttagggc	tttccagggc	cccagaggat	91980
gggttctgtc	tgttgatggg	caggtgaagg	gtgactcccc	tgagaatctc	accgtgtgc	92040
tggactgagg	gaacccctct	ttctgaaaga	acgaatgaga	cccagattc	aagggagaag	92100
aaggggcac	ctaggacttc	cctgacagcc	tcagctggga	agccctggg	gaggctctga	92160
atgccttctg	gggtgggccc	tgggccatgc	tctgggcaga	tgctggctca	aacagggctg	92220
gcagtagaca	gaacagaata	aggacctcc	tccttgtagt	ccatcactgg	gctggactat	92280
gtcctccatc	ccgtggctct	cctggcagcc	cagggcattg	gcaggcatcg	ttcctcctgc	92340
ttggcagata	gagagacaga	gatgtcaagg	gatgggaggc	acttgccatg	gtcaagggtct	92400
ggatttgaac	ctcacttctg	tataaaacaa	atcccagttg	ggaaagtcca	gcttccctgg	92460
gaatctgcc	tgggtgggact	aaaacgtgat	cggcaaacct	gtcatccctt	ttcttccctg	92520
gccttccagc	aggteccctg	cagaccacca	ctggtctgtc	ttgcgggaga	gacctgatgt	92580
tcctgtaaat	agcaagtgtc	cctgtttgct	gggtcttgaa	agccagagg	tgaaccatgc	92640
acttgccacc	cactaaacct	tctccctcct	catgaccat	tggagaaaat	gaggcagaga	92700
gaggtgcagg	gacttggcta	aggccatgtg	gcttgtgagc	cggccaggat	ttcatccagg	92760
cctgggtgag	gttagagcct	gtgccagac	ccgccaccac	ccgtagcaa	gaacaggact	92820
ttcctttgtc	cggcattttt	aactctgggt	cttggccatc	acttcagact	ggcctggccc	92880
acgtgtggcc	agaatcccaa	agggatgcct	gttgggaag	cgtgaccgcc	agggggctgg	92940
cabctggccc	aggaaggggg	tcacagagaa	cactcagttc	tcagtgggtt	gtgtgtgcca	93000
ccgacagtgc	ccgtgcctct	cagcgcacag	accttccctg	gccaatcatg	ggtatgatgt	93060
cagttccatct	aatcccttgag	ctgcagttag	cccagatga	ggaaacagac	tggagggata	93120
agtgaacttc	ttgtgggcca	atattggacc	ccctgggtcc	tcagttggac	ctccaacacc	93180
agaatggacc	tgggttccat	tctggtccac	aaacccctct	tgggtttgtg	tcctcttctc	93240
tgtagggtgg	caggcttgca	ctcagagctt	cccaaggacc	tccaaggact	ctgctgagag	93300
cctctgcacg	gccattttaa	tgtgcagggt	catttaggat	tgggggcctc	ccagaggtgg	93360
gatgggtg	cctctagggc	agccctcaga	agcatagggt	caggtgggtg	gcaccaagca	93420
gagtgggcag	aggcaagagg	caaaactctt	aagagaggcc	accagcagga	aattccactt	93480
agaacccctg	cattgcaagt	ggcaagggtc	caggtgggtg	ccgggggacc	tggctctggc	93540
acccccagct	agggcgcctt	ttaagcaaga	cctcggctcc	tggaaaaagg	atggctgtgc	93600
ccaccctatg	gggcctgatg	agtgggtgggt	gtggaaaggga	gtacctggca	eggatttttg	93660
acctggaggga	tgcctgacac	cttaggctgc	ttctgtggaa	gaggaggtga	ggacccctgt	93720
ctgggagcag	gtggttctac	gaagcccagc	tgtgggggtc	tatgaagcct	ctcctgagtt	93780
ggtctcggac	tcactctccc	agagccatgg	gtctctctct	atctctgtga	taagggggtc	93840
agtgcaccca	tcccagcagg	accccaagtc	tacactgggc	agcaacccctg	agccagtgat	93900
aataatgaact	tatggccctt	gtttacggag	catttctctg	gcacgtgcac	atgggcctaa	93960

tcttggttatg	tccttcaaca	actctgtgag	agtagtgact	cttagtatcc	cccattttac	94020
agatgaggaa	actgacccaa	gttcctagcc	cagtatcacg	cagctaagta	agtgtcagag	94080
ctgaggcctc	tctgatgcat	cggaacctag	atgcattgga	accagagag	gccaccattc	94140
tatgctgtgc	cctcatccct	tgattaaagc	agaaattggt	catttggtga	cttggggaga	94200
aggagagccc	atccctcttc	ctcaggtttg	agcggggcac	ctgtcagagt	tcaaggcctc	94260
tttgattgct	tggagggtgt	ggctggggca	gtcgggacag	ctttccccct	ccctttccca	94320
gttcocaggtc	tgatgcaaac	tcaaaggaaa	gggaagccag	tccctgactg	ggcctgagtc	94380
atctgtttct	gaatccctag	ttgaatccta	gttcccgttt	ttatcatggt	gtgatcttgg	94440
ctgggcccct	ccctctctct	ggtctcagtt	tgtctctggt	caagtccagc	accaagggac	94500
taggttgga	ggggccggag	gccagacaa				94529

<210> 53

<211> 7588

<212> DNA

<213> Homo sapiens

<400> 53

ttttcactgt	ctgtggacat	taaaaaagcg	agcggcgggcg	gcggggcgccg	ggga-gagcgg	60
gcggccgggg	ggcaggcggg	cgagcagcga	tcggggcgcc	gagcgagcga	gcaacggccg	120
cgcagcgcg	tgaccccagc	cccagccggc	gcggagcagg	agccggagcc	gagcggatct	180
cggcgccctc	gctgcgctcc	tcccggcccc	agcctgccct	accggcggt	ggcggcgggc	240
cgctcctccat	cggcggcagc	ggcgctcgca	gcgcccgtga	tttcgtacta	ctgctggggc	300
tgccacctcc	tcctccagac	gctctcagca	gacttgagtc	ctggtccttc	tgcagaggcc	360
tgagcaggag	gaagaggagg	aggcccgttg	gcgtcggacc	aatgctgcaa	ggggtgtgag	420
gagaggagcc	gctgtttttc	actgagctgc	cataccccga	aagcaggatg	gagctggagt	480
gaggtggagg	ggcgcgaagc	tgttgaccgg	cgtgtgggac	actggtgggt	tgcagatcac	540
tgaggctgga	caacgttcat	ggctctcggg	tagaacctag	tgaacggcc	agaatgaatt	600
ctatggacag	gcacatccag	cagaccaatg	accgactgca	gtgcatcaag	cagcacttac	660
agaatcctgc	caacttccac	aatgcgcgca	cggagctgct	ggactgggtg	ggagaccac	720
gggccttoca	gcggcccttc	gagcagagcc	tgatgggctg	tttgacgggtg	gtcagtcggg	780
tggcagccca	gcaaggcttt	gacctggacc	tcggctacag	actgctgggt	gtgtgtgtgt	840
caaaccgaga	caagttcacc	ccgaagtctg	ccgccttggt	gtcctcctgg	tgcgaagagc	900
tgggcgcgct	gctgtgtgtc	cgacatcaga	agagccgcga	gagcgatccc	cctgggaaac	960
tcccctatgca	gcccctctct	agctccatga	gctccatgaa	accactctg	tgcacagtg	1020
atgggtcggt	cccctatgac	tctgtccctc	ggcagcagaa	caccaaccag	cctcccggtc	1080
ccctttccgt	ggtcaccacg	gtttggggag	taaccaaac	atcccagagc	caggtccctg	1140
ggaaccttat	ggccaatgcc	aacaacccca	tgaatccagg	cggcaacccc	atgggtctgg	1200
gcatgaaccac	cagcaaccca	ggcctcaact	ccccacagtt	tgcggggcag	cagcagcagt	1260
tctcagccaa	ggctggccccc	gctcagccct	acatccagca	gagcatgtat	ggcgggcccc	1320
actaccccgg	cagcgggggg	tttgggggca	gttacctgtg	gggtcctaac	gcccccgccg	1380
gcatggggcat	ccctccgcac	accaggccgc	ctgctgaatt	cactcagccc	ggggcagccg	1440
ctgcagcagc	ggcagtggca	gcagcagcag	ccacagctac	agccacagcc	acgggcaactg	1500
tggcagccct	gcaggagaca	cagaacaagg	atataaaaca	gtatggaccc	gctgttccct	1560
ctttccagat	gggtcccaac	caggcgtata	acagcccaatt	catgaaccag	ccggggccgc	1620
gggggctgtc	ctccatgggg	ggcagcatga	accccggcag	catggggggt	ggcatgaacc	1680
cctcgggggat	gagcggccct	cccatgggca	tgaaccagcc	ccggccggccc	ggcatcagcc	1740
ccctttggcac	acacggggag	cggatgcccc	agcagaccta	cccgggccccc	cgcccccagt	1800
cccttccctat	tcagaacata	aagaggccat	acccctggaga	gcccacactat	ggaaaccagc	1860
aatatggacc	aaacagccag	ttccccaccc	agccaggcca	gtacccagcc	cccaaccccc	1920
cgaggccact	caacctcccc	aactacccag	gacagaggat	gcccagccag	ccgagctccg	1980

ggcagtaccc	gccccccacg	gtcaacatgg	ggcagtatta	caagccagaa	cagttttaatg	2040
gacaaaataa	cacgtttctcg	ggaagcagct	acagtaacta	cagccaaggg	aatgtcaaca	2100
ggcctccacg	gocggttcct	gtggcaaatt	acccccactc	acctgttcca	gggaacccca	2160
caccccccat	gacccttggg	agcagcatec	ctccatacct	gtcccccagc	caagacgtca	2220
aaccaccctt	cccgcctgac	atcaagccaa	atatgagcgc	tctgccacca	ccccagcca	2280
accacaatga	cgagctgogg	ctcacattcc	ctgtgcggga	tggcgtgggtg	ctggagccct	2340
tccgcctgga	gcacaacctg	gcggtcagca	accatgtgtt	ccacctgcgg	cccacggtec	2400
accagacgct	gatgtggagg	tctgacctgg	agctgcagtt	caagtgcata	caccacgagg	2460
accggcagat	gaacaccaac	tggcccgcc	cgggtgcaggt	cagcgtgaac	gccacgcccc	2520
tcaccattga	gcgcggcgac	aacaagacct	cccacaagcc	cctgcacctg	aagcacgtgt	2580
gccagccggg	ccgcaacacc	atccagatca	ccgtcacggc	ctgctgctgc	tcccacctct	2640
tctgtctgca	gctgggtacac	cggccctccg	tccgtctctgt	gctgcaagga	ctctcaaga	2700
agcgccctct	gcccgcagag	cactgtatca	cgaaaatcaa	gcggaatttc	agcagcgtgg	2760
ctgcctcctc	gggcaacacg	accctcaacg	gggaggatgg	ggtggagcag	acggccatca	2820
aggtgtctct	gaagtgcacc	atcacattcc	ggcgcatcca	gctgcctgct	cgaggacacg	2880
attgcaagca	tgtgcagtgc	tttgatctgg	agtcatacct	gcagctgaat	tgcgagagag	2940
ggacctggag	gtgtcctgtg	tgcataaaaa	cggctctgct	ggagggccctg	gaggtggatc	3000
agtacatgtg	gggaatcctg	aatgccatcc	aacactccga	gtttgaagag	gtcaccatcg	3060
atcccacgtg	cagctggcgg	ccggtgcccc	tcaagtccga	cttacacata	aaggacgacc	3120
ctgatggcat	ccctcccaag	cggttcaaga	ccatgagtec	cagccagatg	atcatgcccc	3180
atgtcatgga	gatgatcgca	gccttgggccc	ccggcccgtc	cccctatccc	ctcccgcctc	3240
ccccaggggg	caccaactcc	aacgactaca	gcagccaagg	caacaactac	caaggccatg	3300
gcaactttga	cttccccccac	gggaaccttg	gagggacata	catgaatgac	ttcatgcaag	3360
ggccccccca	gctctcccaac	cccccggaac	tgcccaacaa	catggccggc	ctcgagaaac	3420
ccctcagcca	ccccatgcag	gaaactatgc	cacacgctgg	cagctctgac	cagccccacc	3480
cctccataca	acaaggtttg	cacgtaccac	accccagcag	ccagtcaggg	cctccattac	3540
atcacagtgg	ggctcctcct	cctcctcctt	cccagcctcc	ccggcagccg	ccacaggccg	3600
ctcccagcag	ccatccacac	agcgacctga	cctttaaccc	ctcctcagcc	ttagagggtc	3660
aggccggagc	gcagggagcg	tccgacatgc	cggagccctc	gctggatctc	cttcccgaac	3720
tcacaaatcc	tgacgagctc	ctgtcttata	tggacccccc	cgacctgcgc	agcaatagta	3780
acgatgacct	cctgtctcta	tttgagaaca	actgaggggc	acccggtcgg	ggccatccct	3840
ccacactctg	catactaccc	cacctaccca	acacactttt	ccacctggga	gcctgtgcac	3900
tcagaccgcc	ccgcaccaga	gccacgggct	gtggggcggg	gagccctccc	ccgctgcagc	3960
cctctcagaa	cagaggggta	gggaggggtc	accagtgcac	cagggaaggct	gtgtgggtct	4020
ggagcccaag	tcccacctcc	acacctttgg	cttgggcccc	tgccagccgc	aggcctgaag	4080
accacctccc	cgagaggaaac	cagcccggtg	agagggcaca	cgctgatggc	gcttcccggt	4140
ccctcccggt	gtgccgatcc	cagatgacct	tccagtgtcc	ccaaggttct	tccatcttct	4200
agactgtaac	cctgcctccc	tgttctctgg	tccagagcct	ccctccagtg	actgtggagc	4260
ctgagaaggc	cccggggccc	cagcatgggc	cccagacctt	ggaggagcac	tggcagttgg	4320
tggcagtgag	accagccacc	caccacccac	caccacagaa	aagcacaaaac	ctctgggaaa	4380
gacaacgtct	ctcggggggcc	agggttcata	ggtttgaccc	ctgacctata	agccaagata	4440
ccccataaac	aaactcagaa	agcagagaaa	aaggacaaga	gtctgtgttt	gagagggggt	4500
ctgaccttcc	tgtttgggga	ctggtgggga	agagggccag	gacatcttct	gagccaggac	4560
gtccctgagg	ctccacctcc	aagctcagac	agggccccag	cttgggggaa	agagagagca	4620
ggtgtacacc	caaccaaaagt	gattgtgcac	tgggttgggg	ggcgggggca	tataacctgt	4680
cagaagcaaa	caggagcggc	aaactctaac	tttgctccaa	gcacctctct	ttttaaacag	4740
caacaattta	aagctatgaa	gtccacctga	gaaaagggaa	gttgcctctg	gacagcaagc	4800
aaaccatttc	tctccgtctg	ttctgttttt	ctctagtcct	ctctccctgc	acctctccaa	4860
gacttccgtg	ggacacccac	ttccctctgt	cttagttctc	tttgcaccaat	cagatggcaa	4920
gggcagtgcg	tggaaaggcc	ggggaggtgc	agaaaccaga	gcccagggca	atggtgtctg	4980
tccagccctc	ccctctgtcc	ctgtgctcca	agctgcccc	ggctgcagcc	caggccatgg	5040
acatgtgcac	cagtatgtac	ctgcaggcat	cagggggagg	ggggcgtggt	tctgggcctg	5100

ccccagacac	tgcccttggc	tgccagccta	ccttgcctgc	actcctccac	catcacaate	5160
tcacccaaac	tccgtctcac	tcaagcaaaa	gcagcctctg	gccttccctc	caccgctttg	5220
ctccatctgg	cttaccactc	tccagggcct	cctggggagc	ctgtcctgtg	ttcactttgt	5280
ttcaggctgg	tctgtgcccc	gtgagccaca	tggcctaggg	tgatgccagg	ttgtcccgtc	5340
actgggggtc	catctgtaaa	ttctttgcgc	ccttcccggc	tgctgcctgg	ggccctttcc	5400
tgctctcccg	tccgctgtgg	gtggtcccca	gcactcctct	gtgggtttta	ccggaaaggt	5460
ggccccagct	gttgacttcc	agtcactgtc	ccagacggca	caagggtttc	tgtaggaaag	5520
ctgccattgc	cccgccccc	tttcttccct	tgtcccgttg	tcgaggtttt	ttcaaatagc	5580
gtgttgttca	gtatgcaaat	caattatttt	aagaatcgct	tttgtaaata	tctttgtgaa	5640
tatttttagta	togtctttga	taatattcaa	cattttcatg	acctggttat	agcctttgct	5700
ggtgttttta	aaatacctgg	actcaatgac	aaagaccgag	tcttcttttt	ttttaaacia	5760
aaacaaaaaa	agcaaccagg	gctattttga	cagttgaagg	ggtgaacaga	atgggcggct	5820
gtgctgggag	ttggaagacc	gggcagcccc	ctatttagag	ccatccctca	gtcagctggc	5880
agggacaagc	caacgccagg	tagcatgtgg	ccacccttgc	ccagtgtctg	tggcctggca	5940
agtggccacg	ccctgtgtca	gaccatctgg	gaattaagct	ccagacagac	ttacagatgc	6000
cttccctagg	agttcttgc	tcttgcggtg	atactttgcc	ccagaaaggc	ctgggattca	6060
ttctggttct	tatcaggggtg	tgtccacact	ctgctcacag	gtggatccac	ggctttccag	6120
tgcggagagt	cgagatgtct	cctgcagccc	aggccccggg	cacctcctgc	aaccatctct	6180
gggctcagca	cctgaggcgg	gtttcctggg	tcccctctcc	agcaagcctc	caccagcaag	6240
ctcggcccg	agcttccctt	ccggctggct	ctgaaccgtg	cgtgggtgct	acagcctgca	6300
gtctggagac	aagctcttcc	ggagtgtctc	gggagccagg	ccagggtgtg	agggaggtgc	6360
agaggcatcc	ggggcgggag	caagccccag	gttgtgacag	gtgcaggtag	acaacgcccc	6420
taaacagaga	tggtcctgaa	ctctggagag	atccttccct	gatcctttcg	gacgactact	6480
tggagccata	agtaacctca	gcaaaaaaga	ggcctctgca	agccactttt	ccatgccaag	6540
catccaccgc	gccacaggcc	atgtttctgc	cgccactccg	caagatggac	agggagccag	6600
caggcaggcg	ggaaggggca	agtacaggca	atcaccccca	tcttcttggg	ttgaagcttt	6660
atccatgtat	catgttccgt	gtagccattt	tattttttta	gaaactgcta	atactttctc	6720
cctaattggaa	gccctgatcc	cccagagagc	tacaggctctg	ctcccgaacg	gcctcggggc	6780
tgaccctgct	acacaggggc	gtgtcaacag	cagcgactca	agggacgtgt	gtacatatgt	6840
aaatgagaaa	tagagacgtg	tcaacagatg	cattcatttc	tcttggaatg	tgtattgttt	6900
ttattttgcg	aaacaaaaca	aaacaaaaaa	aaaagcttgg	aactccatca	cgtggaaaaa	6960
ctagatcctg	ttggttatag	catttgtgag	ttctccacgt	ctgtctctct	cgtcatgtta	7020
atatactctg	acctgagtg	gaaagggggt	ttgttctgt	ttttatttta	cctacatgta	7080
ctatttagct	tcagtgtact	agtcctgcca	cctgtgtatt	tttaggggtg	tatggaaata	7140
atgaaaagaa	acggggattt	cagaagaaaa	ttgtaaccaa	attcataact	tgtataattt	7200
ttgatatcat	gatcacaggt	gattcacacg	tacacacata	aacacaccca	ccagtgcagc	7260
ctgaagtaac	tcccacagaa	accatcatcg	tctttgtaca	togtatgtac	aatgcaatca	7320
tttcataact	taaaactggc	aaaaaaactaa	ttgtgatttc	tagtcttgca	aagctgtatg	7380
tagttagatg	atgtgacaac	ctctaataat	tatctaataa	atatgtatto	agatgaaacc	7440
tgtatattag	gtgttcatgt	ggttattttg	tatttaaaaga	tcaaattatt	tgactattgc	7500
tagacatttc	tatactctgt	tgtaaacactg	aggatatctca	tttgcccatg	ttaatttttt	7560
tctaaataaa	ttgacaaaaa	caaaggtt				7588

<210> 54

<211> 3222

<212> DNA

<213> Homo sapiens

<400> 54

atgaattcta tggacaggca catccagcag accaatgacc gactgcagtg catcaagcag 60

cacttacaga	atcctgccaa	cttccacaat	gccgccacgg	agctgctgga	ctgggtgcgga	120
gacccacggg	ccttccagcg	gcccttcgag	cagagcctga	tgggctgttt	gacgggtggtc	180
agtcgggtgg	cagcccagca	aggctttgac	ctggacctcg	gctacagact	gctgggtgtg	240
tgtgctgcaa	accgagacaa	gttcaccccg	aagtctgccg	ccttgttgtc	ctcctgggtgc	300
gaagagctcg	gccgcctgct	gctgctccga	catcagaaga	gccgccagag	cgatccccct	360
gggaaactcc	ccatgcagcc	cctctccagc	tccatgagct	ccatgaaacc	cactctgtcg	420
cacagtgatg	ggtcgttccc	ctatgactct	gtcccttggc	agcagaacac	caaccagcct	480
cccggctccc	tttccgtggg	caccacgggt	tggggagtaa	ccaacacatc	ccagagccag	540
gtccttggga	accctatggc	caatgccaaac	aaccccatga	atccaggcgg	caacccccatg	600
gcgtcgggca	tgaccaccag	caacccaggg	ctcaactccc	cacagtttgc	ggggcagcag	660
cagcagttct	cagccaaagg	tggccccgct	cagccctaca	tccagcagag	catgtatggc	720
cggcccaact	accccggcag	cgggggcttt	ggggccagtt	acccctggggg	tcctaaccgc	780
cccgcaggca	tgggcatccc	tccgcacacc	aggccgcctg	ctgacttcac	tcagcccgcg	840
gcagccgctg	cagcagcggc	agtggcagca	gcagcagcca	cagctacagc	cacagccacg	900
gccactgtgg	cagccctgca	ggagacacag	aacaaggata	taaaccagta	tggaccgggtc	960
tgttccctct	tccagatggg	tcccacccag	gcgtataaca	gccaatccat	gaaccagccc	1020
ggggcgcggg	ggcctgcctc	catggggggc	agcatgaacc	ccgcgagcat	ggcgggtggc	1080
atgacgccct	cggggatgag	cggccctccc	atgggcatga	accagccccc	ggcggccggc	1140
atcagccctt	ttggcacaca	cgggcagcgg	atgcccacgc	agacctaccc	gggcccccg	1200
ccccagtcct	ttcctattca	gaacataaag	aggccatacc	ctggagagcc	caactatgga	1260
aaccagcaat	atggacccaa	cagccagttc	cccacccagc	caggccagta	cccagccccc	1320
aaccccccca	ggccactcac	ctcccccaac	taccacggac	agaggatgcc	cagccagccg	1380
agctccgggc	agtaccgcgc	ccccacgggtc	aacatggggc	agtattacaa	gccagaacag	1440
tttaatggac	aaaataaacac	gttctcggga	agcagctaca	gtaactacag	ccaagggaat	1500
gtcaacaggc	ctcccaggcc	ggttcctgtg	gcaaattacc	cccactcacc	tgttccaggg	1560
aacccccacac	cccccatgac	ccctggggagc	agcatccctc	catacctgtc	ccccagccaa	1620
gacgtcaaac	cacccctccc	gcctgacatc	aagccaaaata	tgagcgcctc	gccaccaccc	1680
ccagcccaacc	acaatgaaga	gctgcggctc	acattccctg	tgccgggatg	cgtgggtgctg	1740
gagcccttcc	gcctggagca	caacctggcg	gtcagcaaac	atgtgttcca	cctgcggccc	1800
acggctccacc	agacgctgat	gtggaggctc	gacctggagc	tycagttcaa	gtgctaccac	1860
cacgaggacc	ggcagatgaa	caccaactgg	ccgcctccgg	tycaggtcag	cgtgaacgcc	1920
acgccccctca	ccattgagcg	cggcgacaaac	aagacctccc	acaagccccc	gcacctgaag	1980
cacgtgtgct	agccggggccg	caacaccatc	cagatcaccc	tcaaggccctg	ctgctgtctc	2040
caactcttcg	tgtctcagct	ggtacacccg	ccctccgtcc	gctctgtgct	gcaaggactc	2100
ctcaagaagc	gctctctgct	cgcagagcac	tgtatcacga	aaatcaagcg	gaatttcagc	2160
agcgtggctg	cctcctcggg	caacacgacc	ctcaacgggg	ajgatggggg	ggagcagacg	2220
gccatcaagg	tgtctctgaa	gtgcccacatc	acattccggc	gcattccagct	gctgtctoga	2280
ggacacgatt	gcaagcatgt	gcagtgtctt	gatctggagt	catacctgca	gctgaattgc	2340
gagagaggga	cctggagggtg	tctgtgtgtc	aataaaaacc	ctctgctgga	gggctcggag	2400
gtggatcagt	acatgtgggg	aattctgaaat	gccatccaac	actccgagtt	tgaagajgtc	2460
accatcgatc	ccacgtgcag	ctggcgggcg	gtgcccattca	agtccgaatt	acacatcaag	2520
gacgacccctg	atggcatccc	ctccaaaggcg	ttcaagaaca	tgagtcaccag	ccagatgata	2580
atgcccacatg	tcatggagat	gatccgagcc	ctgggccccg	gcccgtcccc	ctatccccctc	2640
ccgctccccc	caggggggca	caactccaac	gactacagca	gccaaaggca	caactaccaa	2700
ggccatggca	actttgaatt	ccccacgggg	aacccctggag	ggacatccat	gaatgaattc	2760
atgcaagggc	ccccccagct	ctcccaacccc	ccggacatgc	ccaacacacat	ggccggccctc	2820
gagaaacccc	tcagccaccc	catgacggaa	actatgcccac	acgtcggcag	ccttgaccag	2880
ccccacccct	ccatacaaca	aggtttgcac	gtacacacac	ccagcagcca	gtcaggggct	2940
ccattacatc	acagtggggc	tctctctctc	cctccctccc	agcctccccg	gcagccggca	3000
caggccgctc	ccagcagcca	tccacacagc	gacctgaact	ttaacccctc	ctcagcttta	3060
gagggtcagg	ccggagcgca	gggagcgtcc	gacatgcccg	agccttcgct	ggatctctct	3120
ccggaactca	caaactctga	cagctcctg	tcttatctgg	accccccaga	cctgcgcagc	3180

aatagtaacg atgacctcct gtctctatatt gagaacaact ga

3222

<210> 55

<211> 27079

<212> DNA

<213> Mus musculus

<400> 55

```
ggaaccaggc atggcaggaa agccaccctg gagagcccct gccaggcggc ccaactgcttc 60
tcagcagcct cactgtgggt gagactctgt gggatcccac gtctgtatg acttgcccag 120
ttatcagca cccgggcttc tgctcagtgc tcagcatacg cctatttctc ctgagctgtg 180
tgtgtgatg gtttccatgc tggggagggt ctgtgaggag gtctgtgaa gaggggaccg 240
ggagctgagg gattctaggc aggggtctta ccactgagcc acgccccag cccctcactg 300
ggggattcta ggcaggggt ctaccactga gccacgcccc cagccccca ttgggggggt 360
tataggcagg ggctctacca ctgagccacg ccccagccc ctactgggg gattctaggc 420
aggtgtctta ccacagtgt acagcccaaa cacatttctg ctcaattgtg ataaccaaat 480
ctgtgtgttg gcattcattg tcagatgtct aggacccaaa tcaccttgaa tgaaaccac 540
cgggcaatag gctgggccc gcagacagca aggaataagg tagccctggc tacggagtgg 600
gaggagcttc agaagatec ctcccttcca tgtagcctc ggctggctc tgtcacctg 660
cggcctcctg tttcctgttt tggatgaatc ctgagccacc tggcaatgcc aactccaaca 720
gtgcctacac ctctgcaag actaaactct tcctttgatt aatccctcct aaggaagcaa 780
ggaaagacaa caaaagctgg tctaggcagt tcccagccc ttacagcttt ctccatctta 840
aggctccaag gacacagacc tagaggctca ggtgagcaca ctgactaaca aggacttgcc 900
atatcccga tttacttcat ctgctgtgcc ttccctgggc tcgcaagcct gctgtggctc 960
tgtcctctcc tcccagggtg catcacggcc ctggacttta ggtccagct catcctgggt 1020
tctattgcat tgggtgctac ctccacccat gtctaagcat acaacctctc cagacaggac 1080
aggacccctc tgctgcccc aagtgtctag tccctatgat ggtcaacaa gatgattcaa 1140
caggttaaag tgcttgctgc caagcttaaa gacctgagtt tgatcgctgg gaccaccatg 1200
gcgggaggaa aagccaactc ctgcaagttg tcctctgac tcacataca tacatggcat 1260
gcacatacat gtatacaagt aaagagatct aaaaacaaca atttttcttt ttaattcacc 1320
acattaagcc aagaacagtg cgttcatacc catgatgagg ctaaccctac actcgggaaa 1380
tctgaggcaa aaggattgct tcgaatttta ggtagccta ggtacatct ggagacctga 1440
tatctgagtt aagttaatat gagcgaatga gttggcatgg acaaagtacc tgctgtgaaa 1500
gcataagagc tttaacccgg acccctagcc aggtcccggt gcctggcact cacctgcaat 1560
cctgaggctg gggagggggt acaggtgggt cccctggagct cacagatcag ccgtgcagc 1620
ccaacgggta agctctaggt ttagtgagag accctgcttc aaaaagtaag gggctgaggg 1680
atagagaaag atacctgata tagatgactg tctctacac atgaattcac agatgatctc 1740
tctctctctc tctctctctc tctctctctc gctcgtctgc acgctgcaag cgccttgta 1800
aggactgtg atggacgaat gggatgaaga gaaggagca tgggtgaggc agacaggaaa 1860
gtgagaagta agcagagccc atcactgact ctctgacgct gtgctgatag cttgtctctt 1920
tggagggtgt cttgtcattc tggtagagag cccccaccc ccagccctt tcacaccag 1980
cctggatgat ctcagatgcc atttctatct catccttagg aaggtgaaga aagctggcct 2040
catggtaaaag acctgacatc ccagttactc gagggatgga ggcaggagga ttgccagttc 2100
gggaaacagt gagattctgt ctcaaaaataa aagtcataag agggctgggt agatggctca 2160
gtgggtgaaga gcaccgact gctcttcgga aggtcgaag ttcaaatccc agcaaccaca 2220
tgggtggctca caaccatccg taacaagatc tgaagccctc ttctggagt tctgaagaca 2280
gtacagtggt acctacatat aataaataaa taaataaata tttaaaaaaa aaaaagtcac 2340
aagagagctg gaagtatggc ttagtggtag agccctggcc tagaatcccc cagggagggg 2400
ctgggggtgt ggctcagtgg tagaatatct acctagcata ttgaggggtt aaattcaact 2460
cctattatct agtactacta agtaatatat aaataaaaac aagaaggaga agcatagat 2520
cacgttcctg aggaagagct tacagggaga gactccatca ttcagtaagc agagtcttat 2580
ttgagactct gactatccag gcagagccct cctcccactg tctctgggat cctattccac 2640
```

cgcccttggca	tgggggtcacg	accaggaggc	tccagaacca	ctggggtcac	ccctgcctgc	2700
ctgctgcaac	tgcacaagct	agccattctt	gaagaaacaa	aggctgggtg	ggttggtggg	2760
gctctggcgt	ctccctggag	ggtgtctggc	ctctgcagga	tgttggggag	tggatctggg	2820
tgggtggttg	actctgtcac	tgggtatcgc	aatcacatt	aagccagccc	ttcacccttc	2880
catgcagtc	agctgccttc	tatggtcata	gggctttcag	tcagctgctt	aggcagggat	2940
gcttttggct	cccgggcagt	tgagttctcc	ccatgctgtg	cagacccttg	aactcctgtg	3000
caatacctgt	gatactgttc	cctgcgaaga	gttcgtgaaa	cctagtattg	gtccccaact	3060
tcctccttga	gatttgtgtc	ctggggccagc	tcagaagtca	gtaggtgtcc	ctgacacacc	3120
ttcttattcc	caagaccttg	tccttggagg	acaaggggca	gcagactgag	tccttaccct	3180
ttcgcattgt	tgcattgtgt	catgtgttca	tgtgtgctct	gccccctgac	aactgatacc	3240
taaccattac	tcctacagta	gacaccaggc	tctgcttttag	gcattgggctc	agccttgatg	3300
gtttctgtct	tcatagcact	gacatgtggc	accttcacag	atatccatat	atcctttcta	3360
gtgtctagcc	atccactggt	tgtttgggtg	gttttgggtt	ttcaagacag	ggtttctctg	3420
tgtagccctg	gctgtttctg	aactcactct	gcagactagg	ctggccacga	actcagaaat	3480
tcacttgctt	ctgcctctca	agtgtctggg	ttaaaggtgt	gtgccaccac	tgcccggtct	3540
ccatctgttg	tttacacatc	ctcttaccat	tcattctatct	atgcatccat	ccatgcatct	3600
acccatctat	gaaaccatcc	atttgacatc	ccatatgtcc	ctccatcctc	tcacccatct	3660
accgtactgt	ttacacaacc	tctaactcat	tcacccatcc	aagcttccct	ccatgcatct	3720
atccatttat	ccatccatcc	atgtatccat	ccatgcatcc	atccaacatc	ccatctgtcc	3780
ccccacccac	ccacatcacc	tacacatcct	cccatgcagc	agactaccca	tcocatgcatt	3840
tgtccattat	ccactttacc	tacccaccca	tcacatccat	ccacctccca	cacattccat	3900
tcacacaccc	ccactccatc	cattccccc	cacctaatgt	ctcattcacc	tattcacaca	3960
tcactcacc	ctccacacca	tctagccacc	ccattcaagc	acctacagtc	tgtctgtcca	4020
tcctctaccc	cctgtgcagc	atgaccttg	aacctgtctt	tgtggcagat	ctggatgaga	4080
agtgaatgt	tacccgcctc	cagggagggt	gggagatgaa	caggctgttc	ttgtttacca	4140
agtaagtaag	taagtaaata	ccaagaggag	gggttacaa	ggctgggaaa	ggggaaccat	4200
ttagggtcta	tcaggatacc	ccaaaccaga	gtgccccctg	aagttttgcc	cagccacttg	4260
gtcaaaggaa	ccagactcta	accacactg	gggtccagg	tcaatcaagc	aactgggtcc	4320
atcgaactgt	gcctgcaaag	cgccaggagc	gaaggcgcca	gcgcctgccc	tattacagag	4380
tagagtgaag	ccctcagcct	acagagagtc	gggaactggc	ccaggaccac	acagaatgtg	4440
gcagtgggtg	ggggtactgg	gaggagcggg	cagagcgggc	agatgggtgg	atctgcatgg	4500
ggcggtgtgc	tcttgagct	ggagtctgtc	gaatctgttc	tggggtagtg	cccaccccag	4560
ttgatgggaa	tcagctgtct	tgttaattct	accttgttat	tcttccatgc	ttttgctctt	4620
gcctccccc	tctcccact	ggagtgggt	gtactgaact	tctagccaac	cccttccctt	4680
ccctctctgt	ccaggagtga	cagaaccttc	tgtactgagc	ctcacggggc	cattttgatt	4740
gagcccgctc	tctgtgttat	gtgtaccaga	tttaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	4800
atcccagccc	tacctcattg	tactgccttg	cagtggcttt	agggatacat	ttatccttgg	4860
gpatgtgtgt	atgtgtatgc	atgtgtgtat	gtgtgtatgt	atgtgtgtat	ggcacacagg	4920
tacacatgtg	tgccagtaga	gaccaaagg	ctcaacctca	gattttgctt	ttgtttgggt	4980
tggttttgtt	ttgagacagg	gcctctccat	ggactgaatc	aactcaacgg	gtaagcaagg	5040
gtagctgcca	gtgagccccc	ggaagctgt	tgtctctaac	tcttcagtgc	taagattata	5100
agcacacacc	catcatgcct	ggccttttat	gtggcggtgt	gacattgcac	agtaaacact	5160
tttgccaaat	gaggtatagt	ccctactctt	tgggtttttt	gaaacaggat	ttcatgttag	5220
tgaggctggc	catgtttctc	tgattctctt	gcctctgcct	ttcaagtgtt	gggattacag	5280
gtgtgcacca	ccatgcacca	cctccctggc	ttccactgac	ctgctaaggg	agggtgtgtt	5340
ccagactgac	cagctccaa	aggtgggtgg	tgtgggtgtc	tttggatggc	ttcctgtgtg	5400
gttaatatgt	caggtatttg	gtctccatag	atcttccca	gacctgtcat	gggagggcag	5460
gcaactgtcg	gggctccaa	acacacagg	gaggggtgta	ggcagatggc	cagtcccaac	5520
aattccacag	agactacaag	actaggccag	ggaagaacct	gtgtccctcag	gacttctgtg	5580
gtttgacgtc	agctggagag	ccctgggtca	ttctacaggg	gtactcagtt	tcacacagtc	5640
cttgggcata	taccaaccag	ggactggcat	agtgaatcag	agtgcacaaa	ctacaccttg	5700
agtctgagag	ctggcacctt	tacctgtctt	gcacacaaat	gacaggggac	ccaaactagg	5760

ccccgatgtc	agtaaaaaag	gaaaagttaa	tttttagtgac	ttgaaatgaa	agctgtgact	5820
caagtcacat	taggggacat	caaacatata	agattcaaat	cctgctcagt	gagtgtgggg	5830
gaaagattgt	atatgggttc	tgattataga	gagggaaatg	acatggaaaa	taaagggacc	5940
aaggggacag	gtacccagta	gcgtcagaaa	aacaactgtg	aatgtctcaa	tatgtctcct	6000
ggcatgacag	gtaaataaag	agtttctctg	gaatctataa	tatgatggtc	acatcctgga	6060
tagtttcttg	ttctctatgt	ctctcccttc	tttgttattt	tattttattt	tattttatct	6120
tatgtatcta	agtacacact	gtgtagggtc	agatacactg	gatcccata	cagatgggtg	6180
tgagccacct	gacctggaag	cttctatata	gaccaggctg	gccttgaact	cacagagatc	6240
tgctgccttc	tgctcccaa	gtgctgggat	taaaggtgta	catgaccaca	ctaggcctga	6300
tgctctctct	ccctttaaca	tcattccatgg	ccactagcc	ttctctccag	cttcaaggtc	6360
agtaaaatcc	caggactgta	aggaaaagga	atgaaactga	ggcccaagaa	ctcacagcct	6420
cagagagggg	ttggcttagc	agtagagccc	ctgcctagaa	tcctcagtg	aggggctggg	6480
ggcgtgactc	agtggtagaa	cacctgccta	gaatccccc	atgaggggct	ggggcgtggc	6540
tcagtggtag	aacacctgcc	tagaatctcc	caatgagggg	ctgggggctg	ggctcagtg	6600
tagagccctc	gcctagaatc	cccagtgag	gggctggggg	cgtggctcag	tggtagagcc	6660
cctgcctaga	atcccccagg	gaggggctgg	gggctgggct	cagtggtaga	gcccctgcct	6720
agaatccccc	agtgaggtgc	tgggggcatg	gctcagtggt	agagccctcg	cctagaatcc	6780
ccaggggagg	ggctgggggc	gtggctcagt	gggagagccc	ctgcctagaa	ccccccagtg	6840
aggggttggg	ggcatggctc	agtttagagt	gttcaactgc	tgcaccctag	tatttccctc	6900
cccagaactt	tttctgagga	ccctaggggc	ttcccgaaata	tcctgatctt	ccctctctag	6960
ctctctcatt	tctgtcctgg	gatgagcgcc	ctaccctccc	atgcccagtg	ggtgtctgca	7020
gggagtcct	gggtccagag	gaagggagta	ccccatgagc	tcagtgcagg	aagcaatagg	7080
gagaggcgag	ctggttatgt	ctccctctgg	ttttcagacc	tcaaggagga	accacgaaat	7140
tccaatcttc	tgacagcgaa	gaaactgaat	cactcttgcc	agagcctgca	gccccacaaa	7200
gaatgcggta	aggctttgac	ctgccgttcc	ctgtccagcc	accacagtea	gagctggttg	7260
gttccctact	ccatggccga	ccgggtctcc	cctgcatggc	tcctctgtgg	caggcatgga	7320
cactgcacca	gccccctctc	gggcatcagg	ttgctttctt	tacaatgggg	aacatgagga	7380
cttgggtgta	gcggcttgac	atggteccag	gcttgggatg	aaggcgccac	aagactgaca	7440
accagctatg	acttggctcag	gtgggtatgg	aagggaaggca	taggtagtct	gttccctctc	7500
ctgccgtcag	agacttgata	aatgcccacg	aaggatatct	ccctttgggt	taaatggaag	7560
ccatgcagaa	agtttagggtg	attaggggac	ttgagctatt	gggaaatgaa	gacattgtat	7620
gtgcgggggtg	gggggacacg	gggtaggacc	accacaagac	atgtggatac	caggagagtc	7680
ttgaattcct	aggtgacaa	agagagtcct	gctatagtct	attctgtgtc	tgtgtttgtg	7740
tgagagagag	acagagagag	acagagagac	agagagacag	ajacagagag	acacagagaa	7800
agtagaatgg	aggctgcca	gtggctcagg	agaggggtct	caaggaggag	ccttagacct	7860
aaaacactcg	gaagacacat	agatagtttt	tgggtgggaat	ggattagccc	ctgaggctga	7920
ggctggaaact	ggygtgagtt	tatttggaga	gcagtcacagc	agatagcagg	taggaatttt	7980
tccttgtctc	tgagggaaca	ggctctggca	ggaggaggag	gggtttatag	caggaggtga	8040
cgccatggga	gcttctgac	tgggacacag	ccagccacct	ctgcttaggc	atctgcctac	8100
cagaggtggg	gcctccta	tacctggggg	gaggggtcag	gaagaagcct	gggaaccacc	8160
atatcccact	ccctcccacc	acagaggggt	tgcagtgtcc	cacagggccc	tcagagcaaa	8220
tygaccagag	atccactcct	gggtgggggtg	gyaggtgtgg	gggtgggggtg	gggtggggag	8280
agccctgggt	acacatcaat	tcaaaagtcct	tttattttat	atttgtgata	ggytctccatg	8340
tagctcaggc	tygaactcaaa	ctcactattt	gcbaaggaat	atttgggtgca	gagatgaacc	8400
gagggtctcat	acatgtctagg	caaacacttt	accaactttg	ccagatgagg	tacatttccag	8460
gcgtctcttt	acacgggcagc	aggggtctgac	ccgatattca	ctctgttaact	cagggtgcct	8520
ttaaatgttc	agcaatcgtc	caagcctgct	acatgggcta	tcattgtctgt	cttcattcttg	8580
aaaagaattt	tjttgaaagc	aggtgtgggt	atgtgtatgt	gcgtgggtgc	gtgtgtgtgt	8640
ataaatgtgt	gttgcctcagg	ccaagtgtga	cgtgtggagg	tcagagggga	acatattgtt	8700
ggttctttct	gacbatgtgg	gtcctgggaa	ataaactcaa	atctgcctag	gtgacagtgt	8760
cgtttgccca	ctgaaccatc	tggccagccc	ctgcagtaag	tctttacctg	atccagcctg	8820
atgccttctt	ttaacctcca	agagagggac	ggacattaag	aagagtgtag	tagagaaata	8880

attagaaatg	atactccggt	ctaaaatata	aacgctaggg	agtcggcgac	agaaggaaca	8940
gcagttttatc	cgtgggtggca	gggtgggctc	agacttcctt	tgaaggggga	cgcggaact	9000
gaagccaacc	agaccaggg	gcagccaggg	ggagagccgc	ccccagctgc	gctccccgaa	9060
gatgcagcag	gctcgggctc	ggaccctgct	ccactccag	gggacccttg	gccatttccg	9120
gaccgtagc	ctctcaccct	accattaggg	gcacattcct	gccgcccccg	ctcgtgctag	9180
gcgcaggcaa	ggcccccgcc	cgtgggaagg	gggccgtgtg	ccggggaggc	gggtctggga	9240
tggcgcacag	ctgggtcaca	tctggtagga	gtgcggagga	accaaagtga	acagaaggta	9300
gccttttcac	cttcgaggaa	agaggctgct	tgagtgtctc	ctcgtctacg	ggtgcctgag	9360
gtttttgggg	accaaccctc	cccatttagg	aacatgatgc	caagacaggc	ctgcctgggg	9420
gaggagggaa	ggatggaccg	acggagggac	gtagaatttt	gtcactgata	cccttttgcc	9480
tgaacttcag	gtccactcct	aagacataag	tatcagtaag	ggcagctcaa	aattaatcgc	9540
tcaggacaca	ctgcaggcta	ccactttggc	tcagtcagca	ccgttcccca	gggaaggaaa	9600
cccgctcggg	gacaggaaat	gcacagcgag	aagccaagga	tgtcgcccg	ggaggagcac	9660
tgcccttacc	accaggtcc	cagcttcggg	ggcgctcct	ccacgtgcag	ccgtggcggg	9720
cgttggtcag	gctgggtgtc	tcccagagca	gtccggagg	gtgactcggc	gcaggcggga	9780
caggctcgtg	cacaaagggg	gcgggtgccg	tgggtacccc	agctgggtgg	ttcccagccc	9840
cttgtccgta	tcccacgtgg	gaaggagaga	tctccctaaa	ggttacgccc	caaggctagc	9900
agccaattag	cgctggagg	cgtggcgggc	aggggaggtt	taagagtcc	tgaagcgaga	9960
ggcgcgacgc	tggaccggga	gcctcgggca	gccggaccag	ttggcactgg	gatagatatt	10020
acgtgcggcc	gccggccacc	atgctccagc	ggtgcggccg	gcgcctgctg	ctggcgctgg	10080
tgggcgcgct	gttggtctgt	ctcctggtgc	tcacggccga	cccgccaccg	actccgatgc	10140
ccgctgagcg	cggacggcgc	gcgctgcgta	gcctggcggg	ctcctctgga	ggagctccgg	10200
cttcagggtc	cagggcggct	gtggatcccc	gagtcctcac	ccgcgaggtg	catagcctct	10260
ccgagtactt	cagtctactc	acccgcgcgc	gcagagacgc	ggatccaccg	cccggggtcg	10320
cttctcgcca	gggcgacggc	catccgcgct	ccccgcgcga	agttctgtcc	cctcgcgacg	10380
tcttcacgcg	cgtcaagacc	accagaaagt	ttcaccgcgc	gcggctcgat	ctgctgttcg	10440
agacctggat	ctcgcgccac	aaggagatgg	tgagaccag	cgcgccctgg	gcagggggat	10500
gaagtgggga	tcacctctcg	gtccaactgg	tgactgacga	tagcggttcc	cgatgcgtta	10560
attgctttgg	gtctatctgg	gaaacgatga	cactgataaa	tcccattaca	gccccgtgtg	10620
gctgctgggg	ttcactttgc	cttactaccc	tggaaagctc	cttccgtgtt	gcccagggtc	10680
accccagcca	catgctctgt	gtctggatga	gtcgctccca	gcttagggct	ggctctgtaa	10740
cgttctcct	aaacactgga	gtgaatggcc	atatttgctc	ctaaactttt	tccagcaaat	10800
tggctcagtt	ccatcctggg	tccccttcac	tccccttctc	tcttctggg	tggaaaggtac	10860
gcccccttga	aaggggaggga	ggaaaaggca	tagcacaccc	ctggaccagg	caaagtgaac	10920
gaaatgggtg	ctagttctcc	agacttgctc	agaacctga	cttcagtacg	tcagctcccc	10980
cacctcctgt	tagaccaact	tcatacacat	aataaaaaaga	cacacccccc	tttgaaaate	11040
tccctggagg	ctacaacagg	accgttgggg	cgggagagga	gagtgcactg	cgtgtgtgtg	11100
tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtagggg	tgggggtaga	11160
tatttggtgt	gaagactaag	actcacttcc	cttccctgac	cagccccagt	gagacttcgc	11220
tttaggacag	tggagggttaa	gaggacaggg	tccctatctag	tcttggtcaa	agagggggccc	11280
tgagaacccc	accgtagcct	cctgagaatg	aggcgtccct	ttcccagggg	ctcagcaggc	11340
cttcggggagg	gggcagcggg	gggccatggg	tcttggttgg	ctgtgggtgc	gttaggattc	11400
ccagcgctag	gctgctctca	cgcgcggccc	ttgggcaagg	caacaaaagg	cctttctcca	11460
gcggagaaaag	gggtcggcct	cttgtgtaca	gctatgcgct	ccatggggaac	cgttggtctg	11520
cgtgctggcc	actcaggttg	cctgggtgatg	aggggggcctc	tgtgtccctcc	ccccagccct	11580
gaatgacagc	cctcgtgggg	caagatccct	gagccagggg	attccccccac	cccttcattc	11640
agccttccctg	ctgtgtgata	ttggatagca	tctatccccc	tctggggccac	tatcggttct	11700
gagaaaactct	tattcagggga	ttcgggactc	agtttgactg	tgtggtctgg	tgagaagcct	11760
agggctctctc	tgatcctctc	ttgtctctcag	aaaagggaac	tactttctag	tgaggtatta	11820
taaagtggac	tgtagaaact	tggaggctct	tgggtatccc	agcagtcatt	ctgaataagg	11880
gggcccccta	cccagaaaat	gctgcattta	ctgcctatgc	cacctccctg	gcacatgaca	11940
ggcaaaagccc	ccctcttggtg	tgtatgatac	aggggtctct	ggaacctgta	gcaaaaggccc	12000

tgctccccctg	tctgtccagg	gcggtctgcag	tctgatggaa	ggtgagagag	gctccattaa	12060
cctggatttgg	ggatgaatgg	aaggaaggct	tcttggagga	ggaggttcca	tctgcatcag	12120
agtcctagggt	tccaggaagg	gcaatccttg	caccaggcat	gactgtgggg	ctgtacaaaa	12180
aaaccaagca	ggctcgggtga	ggtggagagg	ctggtcagggt	gtacaggcag	agcgccctggc	12240
ctctggccccg	ctgtcctctcc	cccaccacta	aggagcgcgc	caggctgcag	gctgccaccg	12300
ccacagccac	aatggctggg	gcagaacttg	gcacccctgtg	tttctttgaa	tctcggttcc	12360
aggaacaatg	ctgtcttctg	tgtgtctctc	ccccaccccc	ttgcttgccc	tcaccagctc	12420
tgctgcccccc	ctctgcccctg	tccgtcctcc	ttaggggaag	ttggtgggat	ggggacagac	12480
tgagatcagg	gtctcccatt	acttcttctc	gagtgtggcc	acaggccagt	gtcctctctg	12540
gtctcttaac	tatatgcca	ggagaaaaga	agatggtact	cacttcccag	ggacacttgg	12600
gagaggagag	tccatcccta	gcacttgggt	gtgcacaggc	aagctgtgtt	gtgcccattt	12660
tacagagtgtt	ccggtggact	gagtgatacc	cacaggatcc	cctgcccccc	tctctctctg	12720
tggagataca	ccaggcagaa	taccacacac	ccccacactc	ajcctctcaa	agactgttct	12780
ctgggcccctc	cccccccccc	accccccaac	tgaacaaagg	tgactttaat	ctccgtagcc	12840
ttgggctggg	tttttaggac	accatcgaag	cgcgggagaa	caggcctctc	tcttgatctc	12900
attaagaaag	cattttcctt	ttaatccagc	agcagcgtct	gcacaagccg	gccctctgta	12960
cctcccacgg	cattcctggg	ctgagatgct	aggggtgcggg	gggggggggg	tgtgctggat	13020
gcaagcgagt	ctgtgcgtgt	gggtgcctcc	gggtgtctgc	agagacctgg	aaggaggggg	13080
tgcatacttg	cagatgatat	agatcccaca	tttcatctcc	taacctgggc	ttcactggag	13140
tgagcatctg	ggtatgggat	cagcctgggt	aaaggagtaa	ggctgctcga	ggcatggtgt	13200
gccacccttg	tagacctggg	gtttcttggg	tggctggctg	ggtacatgct	gacctccgtg	13260
tttgcatgct	cacaccaggg	tttcttggg	acctttttgt	gcacaaaagc	agaggggaag	13320
ctgggtggatg	ttggggagcc	tgtgcctctc	gctgtgagca	gcccccaacc	gccctagggg	13380
tgcactctgc	aatgccaggg	tgcggcagtc	ggcacgcgct	gggcgggccg	gcggaggaag	13440
gaacattcct	tcccgtgtgc	cgacggggcc	aggcggggcg	cggcagctcc	tggccccgcc	13500
ccggcgcccc	cctcctcttc	cgcagtgcac	tccgtggcagg	gggtggccca	gcgctggggc	13560
aggtggagtc	ttggctgtgg	ccctgggcaa	agccttctgt	aagcggggaa	cagttttcct	13620
ctctgaagcc	tcaccoggct	gctcagatac	cccagtgggc	ctggagacat	gaatcctttt	13680
ctgctactac	catgttgacc	gccgtgacct	cccagaacct	gactgggtgc	tatggctggg	13740
gaaacctctt	ctatggggca	caggaggaag	tccaggccag	agtcgcgagc	gaccaatggc	13800
cctaccccat	actcccgcgc	acaggacctc	ttgccagccc	ggcccagtta	accaggccag	13860
ctgtatggaa	atgacagccc	ggccactcct	gottaactcg	gcagagttaa	ggctggccca	13920
gcccaggaca	aagctggcgg	acaatggctg	gtgattcctc	ctcccttcgg	gtccctttgt	13980
ctgccagggc	ttggcagcgg	cccagcagag	gcctttgtcc	cgcacctgag	tgagtgaggg	14040
tcagcttccc	aaagccgacc	tctcctcctc	gtcccccgcc	ccctcccaca	gotttgaaag	14100
cctgagggct	gggcgggctg	gcaggctgtg	tcaataaggg	tgtgtgcccc	gccaggtgca	14160
cagggttggcg	gagggttagt	tgaagcccg	ttacctgggt	ggtggggggg	gcaccccacc	14220
tggctcgtgc	ctcccagctg	cctgtggtga	ccttggggcc	acctgtctga	agtttgagag	14280
tgagcccacc	tccccagccc	agccagcccg	ccagtcacgc	tgccactccc	cctggggcact	14340
tgagcacaca	ttctgtgtgc	agtggagaat	tcaggcagtt	cagtgcaggg	tgggggagga	14400
gtctagattg	ggtgccttgg	ctgtgtctct	cgtagggcac	tttggaagctg	gaaggctcaa	14460
gacccgtgtc	cctcttccag	acgttccatc	tcactgatgg	ggaggacgaa	gctctggcca	14520
agctcacagg	ttggtcccag	gcttgggggt	ggggatgagg	gtgggaggcg	ctgggtccaa	14580
gcaactctct	cccccgaggc	tgtgaggtca	ctggctgccc	ccctgggggt	aagaggccag	14640
ttcactcggc	ttgtttgtct	catgccccgc	cccaccactc	ccccggcccc	gattcttatg	14700
cagaggagac	cctttcagtc	ctctggggag	ccttttagtc	ccgtttagca	gcaacagggtg	14760
gggggtactg	ggggaaaaaa	aactgggtga	atgaatgggc	agcgggtggct	accttggggg	14820
ggggggtatg	ctgggagagg	ctgggggttaa	ggttcgaagg	aatgagaaat	gcttgcgcgt	14880
tgtgaggacc	aggcctgtct	acgggccccc	ccgtccacac	ggcaatgtgg	tgtccaccaa	14940
ctgctcctcg	gcccacagcc	gcccaggtct	gtccctgcaag	atggctgtgg	agtatgacgg	15000
attcattgag	tctgggaaga	agtgaattcc	taccttcccc	tctgtgcccc	atccgtgccc	15060
cctccctggc	agccccgcag	ccctcgaccc	ctgtctgcag	cccccgacag	cacccctccc	15120

gccttgtggt	caggtgggtc	tgccacgtgg	atgatgacaa	ctacgtcaac	ctccgggggc	15180
tgctgcggt	cctggccagc	tatccccaca	cccaagacgt	gtacatcggc	aagcccagcc	15240
tggacaggcc	catccaggcc	acagaacgga	tcagcgagca	caaagtgggt	agtgtctccc	15300
agggtagcac	acaccctgag	gtgttaggga	ggggctgagc	cacctttgca	accaggagtc	15360
tcttgacagc	ccttgtttca	cttcacccag	agacctgtcc	acttttggtt	tgccaccgga	15420
ggagctggct	tctgcatcag	ccgagggctg	gccctaaaga	tgggcccattg	ggccagggtga	15480
gtgtcccctg	cctagttgcc	actacccctg	acagcagact	gttcctgggtg	ctcgtctctg	15540
gtcctgggtt	cctgcagca	gcagcgtctg	gcttgggcta	ttctctccct	gccttaggta	15600
gctgtgtttt	ctgccactct	ctctacctct	gataaagtct	tcggcatgga	aggactctgg	15660
ctcatggcgg	ggcggggcat	agtggactcc	ctcttttttg	ggccagtttg	gcaaagtctt	15720
gtctactcat	ggcccagcta	ctggcttcag	cctctactta	ctcttccccg	ggcccttccc	15780
ttgcagtgga	ggacacttca	tgagcacggc	agagcgcata	cggctccccg	atgactgcac	15840
cattggctac	attgtagagg	ctctgctggg	tgtacccctc	atccggagcg	gcctcttcca	15900
ctcccaccta	gagaacctgc	agcaggtgcc	caccaccgag	cttcatgagc	aggtgcgcac	15960
gtggccccca	ggcctgggtg	accaagcaga	gaactcaaca	gttgaggggac	agaagggaga	16020
gggtgcctcc	aaggaaggga	caatttttat	ctattttatt	attgattgat	tgatttttgt	16080
tttctgagac	agggtttctc	tgtgtagctc	tggttgtcca	gaactacctt	tgtagaccag	16140
gctggcctcg	aactcaggga	tcaacctgcc	tctgcctctg	agagctggat	tataggcata	16200
ctgatacagg	gcttcactat	gtagcccagg	ctagccttga	tcctcttgct	gtagcccccc	16260
atatgctagg	aatcagctgt	gtgtcaccac	acctgattca	gagtcgttta	ggggtggggg	16320
gtatgtatgt	tttcatttat	ttattttttt	atttacttag	agatgggtct	cttatagccc	16380
aggctagccc	tgaagttgat	atgtagttga	gaatgacctt	gaattcctga	tcctcctgac	16440
tccactttcc	tgggctaggg	ttgtaggagt	gtactaccac	atccagttta	tgcagttagt	16500
tgggctagcc	cagggtcact	gttttaaata	gggatatcag	agactcctca	ttctcaggtg	16560
tcacagcctg	ctgggtccaca	tgaggtaacc	cagtttccct	ctctagctcc	tccaaaacag	16620
aaagtcaaat	agattcttct	aagttgctga	tcatgccctt	tgaggggaca	ctcttgctct	16680
gtctccctta	tggtcgtagg	ccccaccatg	ggcttcatcc	ccaggtgggc	cgagccagtg	16740
tccttggtct	aagggaacagc	agcaggaata	gccaggcagg	actgccacct	ctccagcctc	16800
atcctgttgc	tcccaatgca	ggtgacctg	agctatggca	tgtttgagaa	caagcggaac	16860
gcagtgcaca	tcaagggacc	attctctgtg	gaagctgacc	catccaggta	agaactcgta	16920
gagggtcacc	aagtaccccc	ggggttgggg	gggtggcagg	aaccccatgg	ttgggactgc	16980
cagagggcgc	atggcacccc	cagcccaocg	agaccagtct	ttactctgtc	ccaacaggtt	17040
ccgctctgtc	cattgccacc	tgtacccaga	cacacctggg	tgtcctcgct	ccgccatctt	17100
ctagcagtcg	tggttgaaac	tctgtccctg	ggcgccccctg	gtatccaaag	ggcccaggga	17160
cctttattgt	atgccctggc	cttgggtgtc	gaggctcttc	agggctatgt	gtatgtgtgt	17220
gtatgtctat	atttgtgtgt	ttgtgtggcg	tgccaccocg	tgttgagac	tgttgggcag	17280
togtgttctt	cagggagtgg	caggtctgtc	cctaactaca	ctctgagcac	cactccgagg	17340
gcagttgtgt	gggatctgtg	tttggatctc	tgcagtgggg	gtgggtgagg	ccttggggct	17400
ccactcaggg	gtccgtgggt	gctgattgta	gcagttctct	atgttggggg	gctagcacct	17460
atctggagcc	ttccctgtca	gctgagctgt	gccagtcctt	agggaaagctg	atttgggtag	17520
taaaggccctg	gaccccttgt	gagctctggc	cgggocgctg	cctggtgcca	ttctggtgaa	17580
caatgctccc	ccaccccttg	cctccagggt	tggaggcgaa	gtcttcagcc	ccacccctctg	17640
atgcccctatc	tttgtctccc	acaccaagtg	gggttcagag	ctatgaattt	tatctcctct	17700
ccaaagttaga	gagaaaagtcg	cccatagtgg	gtgtgcctgt	acatattgtg	acagtatttt	17760
tttactgtgc	tctttcttga	aagggtcacc	cccaccaccc	ccaactcctc	actcccttac	17820
ccctgggctg	tattctgtgt	tcttttttga	aagaccttaa	ctaggcaagc	taatgatgat	17880
aagggaanaag	ctctcagggga	attgatgtgt	tgttgctatg	gtgacgtcct	tcctctgaat	17940
aaagggtgctc	tttgacagcaa	cccagggggc	cctagtcttg	cctgggaggt	ggggctaagc	18000
cacctgtcca	tcaaggtaac	togaggggac	tttcagatga	gggcagggga	gacccagtca	18060
tgacatagag	aagaaggcaa	ttggtaagaa	ttcagcaagt	tagccgggca	tgggtggcgca	18120
cgcccttaaat	cccagcactc	gggaggcaga	ggcaggggga	tttctgagtt	cjaggccagc	18180
ctgggtttaca	gagttagttc	caggacagcc	aggactatat	agagaaaccc	tgtctcgaaa	18240

aacccaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	agaagaagaa	18300
ttcaacaagt	ttacgacttg	ggagggaaac	tagtggttaa	atagatgaag	tatggccagc	18360
ttggtgtaga	tgtgcctctg	atgggttgat	accatggttg	gaggtgggaa	ttggacaggg	18420
ctgatggcgg	tagctgcttg	atcaggtcat	gccctgtgtc	aacctcactg	tgtccagacc	18480
tttctggagg	aggtgcagtg	gctagtgggg	gctggccaga	gacccatttt	ccagacagga	18540
aaactgaggg	tcaaagcagg	ctaaatgagg	atgaccaaag	tcaggcagcc	aggctgctga	18600
ggtggatgac	ccccaccccc	cctagatctt	cgttcctctg	caactctgct	gacactgcct	18660
ggcctctcat	ctgtcatgag	atacacctgt	catgtatcct	ctgaggatgg	gcagtaccca	18720
ggctgctcac	tcgtgggtag	agctggcgag	gactcggatc	tttctgaggc	tcttcagggg	18780
ccttcctcaa	atccagccac	agaggctggc	tgatcggggg	atcctcacca	cactccttcc	18840
ctgtgggtctc	cttgtttccg	ctcctttaca	gagaagcagg	ctagtgtctg	ccacctgctg	18900
cccttctgta	ggtggctgcc	tgctctgacc	tgaccccgga	ctcacggggc	taggtcctca	18960
ttacctgcca	ccctgtgtgc	ctttgccttc	ttccccacac	catttgatta	gagatctgtc	19020
ctgcactcca	ccagacattg	ctcacagctg	tgggttcagc	acccccaaag	gggctgggca	19080
tggcccttgc	tggtaaactgc	tcttgccctg	tggggtgact	ggccagagcc	tgacccacc	19140
ttggctttgt	agtttggtct	tttaaggcct	gaggcagctg	cctgggattt	tcagagtagg	19200
ggatccccag	tgggtggcct	ggtccttggc	atacagggcc	tgggtggcgg	ggcttggggc	19260
cctacttcta	gatgaggaag	ctgacatttg	taaggggtga	aaggtcacgg	tggagcagtc	19320
tgcacacggg	ccatgagcct	ccttcctgcc	tggatgagtc	agaggcctgc	taccctctgc	19380
tctggtcgtc	aaaagccctt	tgcagctggc	acagagctgg	cagccacaga	ggtgtggtac	19440
agcggcacca	acctcgccgc	cggcatggag	ctggggggcc	cagccagggt	gagcttccca	19500
ttctgattgg	agccagaggg	tggctctgag	cctggagggg	agaacctcag	cacggagcag	19560
gaggggaacc	cagttaggtg	gcataggtct	ctaacctagt	attattcatg	aggctgttga	19620
ggtaggagga	ttgtgagggt	cgtgagatca	gagccagcat	gggttaccaa	gtgagggtcaa	19680
aaaaatcatc	taagaaacag	aagccaagta	gggagggccc	aggaagggtc	tagccagtgg	19740
cttcaacaac	tcccaggtag	agcaggcgga	agagtttctc	ctgaggaggg	aagcaagctg	19800
actgactgac	tgactgactg	actgactgac	tgactgattg	attaattgat	tttttttcaa	19860
gacagaattt	ctctgtgtag	gcctgcctgg	ctgtcctggt	tgatctggaa	ctcagattca	19920
cctgcctctg	cctcccaagt	gccgggatta	aaggcgtgcg	ccaccaatga	ctggctgcct	19980
ggccgcctca	gtgagggtct	tagcgaggag	ccctcctctc	tggtcagtta	ctcagtcagg	20040
tatcctgtcc	tggggcttcc	aaaagtattat	aaaacgccag	gtacactgat	gcctcgtgcc	20100
tgtaaatctc	agggatgggg	aggcagaggc	aggaggatcg	ccaagagttc	aaggccagcc	20160
taggctacct	actgaatgat	gctcctcccc	tcccagctct	caataaaaag	aacactgcac	20220
accacgcaag	ctctaggggt	tcagggaggg	tgcagaagca	ggaaggcacc	cagcttcctc	20280
tctcgagatg	agctgggtct	gggagagggt	ggcagggtag	ggttgaagct	ttcaacttcc	20340
ctctctgaac	ttccctcccc	tctgggggtca	gcagggtgga	cttcttgga	gaggtgcctc	20400
actgctggag	cgggaaggcc	aaaaccacag	cgtgtgagca	gaagtcagca	tgtgtttgtg	20460
ggtgttcaag	cttggcacag	cccagacaaa	tgcaccccag	ggtgggggtt	ggagggacct	20520
ggtgaggaga	aggctgggaa	gggcagtgag	caaagccatt	tcgtctctcc	ctgaggctgg	20580
acctctgatg	gtagaagtca	gagcccgctg	ggtgggttca	gcctctgttc	tgggacctcat	20640
gaggtctcaa	gaggaagcag	aaggccctgg	gcagacagca	atttgtcaga	cccattggcc	20700
tagcctgtgg	cacattctcc	tagggccacc	tgaccccagc	cttgacctct	ccccaccaca	20760
aacaacaaaa	aaaatttata	tttctctatt	catgctcggc	atttaattgt	tttaaatatt	20820
tttttttaag	ttgggggtgg	agagatgggt	ccatgattgt	tgctcttgca	cagcaaggac	20880
ccaggttcga	ttccagccac	ccacagggtc	gcccataact	gtctccaatc	ctaggggatg	20940
taacaccatc	ctctgggcctc	tacagacacc	aagcgtgaat	ggtgtacata	cagacaaaag	21000
cctatgcatg	taacttataa	aaaaagggtta	aaaatatttg	gggttggcat	ttgtaaacat	21060
tttttaaaaa	gatataataa	tacactgtac	ctgaacttcag	acacaccaga	agagggcgct	21120
agatctcatt	acaggtgggt	gtgagccacc	atgtgggttg	tgggagttaa	actcaggacc	21180
tctggaagag	cagtcagtg	tcttaacctc	tgagccatct	ctccaacctt	gagaaatggg	21240
ttttgtgtgt	catgtgcaag	ttaggtcaat	agacttaaca	atacgtacct	tagccatctg	21300
cgtcatctca	gtggtctttt	ggcaattttt	ttttattggg	gtattttccac	tgtacacagt	21360

aatttcatta	agatagctcc	atttgtcaca	tgctttgacc	tattcatccc	ctctacctct	21420
gtccccctcta	ggatagtcgt	ctttctgaga	tagccacagt	gtactttcat	atcacacaca	21480
tacacacaca	cacacacaca	cacacacaca	cacatccatg	agaaccgaca	atatggctca	21540
gtcagtagag	tgcttactaa	gcatgaacca	agtcctgggt	tcaaattgagt	atcacatgaa	21600
catcttttga	tacatagaat	ccaaggccag	cctggactcc	atcgtgaaaa	ataagtaaga	21660
ctggagagag	agcttcagtg	gttaagagca	ctggctgttc	ttcctgagga	tctgagggttc	21720
gaatcccagt	ggcttagaac	tggcccgatg	ccctcttctg	gcctctgccg	gtattgcatg	21780
catgtgatgc	aaagacatac	atgcaggcaa	aacactcata	cacataaaat	attaaaataa	21840
gtaaaataag	agggggggaa	tgtattaaaa	ctaaccagcc	ttgctttctg	tgcaattaca	21900
tatgtaaatac	catggaagg	accctaggac	caagaggcac	cccatattga	aggttgctta	21960
ggtattgtca	agagtttaga	ggccccatca	aggcatcatc	cacttccacc	acaacccacc	22020
atggctccttg	gctgccgcct	ggtggccaca	gttgataact	tcccacctg	ggactcccag	22080
tgtgagtgcc	agctttccag	agaccctccc	ccagatctag	ggctacaacc	aggaagaact	22140
gcaggccttt	gctttggcgt	aagtcccatg	tgatactaaa	tatatccct	tctgatttat	22200
tggctctttct	cccttagtag	tgctgaaaat	agagccatgg	gtctcgcata	tgtaggtga	22260
atgctcaaag	tctgaatac	atccctggcc	ttctaattgtc	tgatttatgc	aataaggag	22320
tcaagtagaa	ggctcatgtg	ctgtctcggg	ctgcctatca	gtgtggctca	agccgcaggt	22380
gccagcaca	gcattctcag	cagaactacc	atccactttc	ctcctcaaca	taaacctctg	22440
ggcattgtgg	attcagactg	gcaagtactc	tctgatggg	gggaccagtg	cctcctgctg	22500
gaccctcgcc	tcccttgaac	cttgtttcag	ctttcacata	cagctccctc	actgggggcc	22560
tctaggtagg	accactgagc	cacactctag	cccatcactg	ggggattcta	ggcaggggct	22620
ctcccactta	gccacgcctc	cagagcctcc	ctggggaatt	ctaggcaggg	ctctaccact	22680
caggggctct	accactgagc	cacagcccca	gcccctccct	ggagccatgc	tttagtacag	22740
agctttctga	ttggctcctg	gcttctatac	gtccttcate	ccttcttgac	tcagcagcta	22800
gagcaattca	gtcgaaatga	atactagata	gtgtcactct	acggctcctt	cccagccaat	22860
tgtctccaca	gacctcattc	agcaacctg	tgtccctagc	ctgagctact	ctgtgtacag	22920
tgttcatgat	gagaatgaga	gagagagaga	gagagagaga	gagagagaga	gagagagaga	22980
gagagagaga	gagctgtttc	ttaaaattgt	ttatttttaa	acatgaaacc	caagctgaat	23040
agagaccaca	gaaattacat	ggacaagaac	tttagttatt	tgccaagaaa	aataaagttc	23100
cccacagaaa	taaaaatcaa	accccaaacc	cagtttaaaa	aatgaaagca	cagcaacagt	23160
aacacacagc	catggcccta	cagaggctgg	aggggaactt	ggggctggct	cgattcagat	23220
gacatagtec	actgggggca	gatgcaggca	gagggaccgt	aactgggagg	caatctcaca	23280
aatcacata	tgggaggaag	ggtgcggcac	accaccgctg	tgatgaaaaa	caaagagacc	23340
ctggctacct	gtggcccacc	agctagccac	cttctgggoc	ggacagagct	gggaccgggt	23400
agggcaagct	ttggagctgg	ggtcaagaat	tgcataggct	tgaaggatgc	tcagggccgg	23460
gatcttctgc	tactcacata	aaccagagag	tgttgggttg	ggtgggggoc	tcagtccta	23520
tcagttttct	cagccagatc	cctcctcctg	gtcgggcaag	ggatcgggct	ctggtttggt	23580
ggcttagccc	tccttgttac	ccaccagagc	tgtagggctc	ccttgggtta	tagggactgg	23640
ggaccaatca	caggcagctg	gcactggaat	gtcactccc	tggggatgtg	ggggtggacc	23700
actgggattg	agtaggtaag	tggcaccoca	gaaatcagga	aaacgaaatg	aagccaacog	23760
cagtggtagg	agcctctctc	tcggcagggg	tcagggcgag	aaacccctgc	tttcatttcc	23820
cctgcttctc	ttcttcagcc	tcggtgagtg	aaacgtcaca	gatgygggca	ctcagccaca	23880
gaaggtcagg	actcccgaga	cagcacaagt	tcacagccac	gtccgggcag	tgcccgccctc	23940
tcagtctata	tacattcacc	ttgtggccctg	ctcagggcca	gggggcagca	tttgtgtctc	24000
tgagaggccc	cagggcacac	ccaggcaccc	aggcagggat	accccaaaac	tcctctccgga	24060
ccttagggca	ggaacatacc	catagtgggc	aggtgggctg	cagctgggct	gctctgggoc	24120
tggaggttcc	tggcgccagg	ccagttggag	tcaaggccag	ggtcccctgc	actgatgttg	24180
tcgtgcttag	gagctacaga	tgcoccgact	gggaccccta	ggccctccga	gtcctctgoc	24240
cactcctttt	ggtcccagac	accagcacia	agaaaaggat	tttggggaag	gaaagcaacg	24300
tggagcctct	ccctctgggg	ggagctgaag	cccagggggt	tctgggctcc	gtagctgcca	24360
ggttgctcca	ggagggcac	aggtctgtaa	accactgggt	cccagccttg	ccctccccc	24420
cacatgctgc	tccactggoc	cgtagctgoc	catctcacag	accagagctc	acactggctg	24480

gctgggcccag	ggtagaggct	ccaggtcctg	atttgggaagc	taattcagcc	cagaagcaca	24540
gcaaacatca	cacactaaag	ccaaaagcac	cttaggcaag	cggtgttctg	ggtgtggggg	24600
gctgaggcca	catggacttc	agtccccgga	ccccaggaca	tgctcctcct	ggggcagcac	24660
ctgcctgggg	aggggtctct	aggccctttg	agtagcctgt	gggtctggcc	cctccctggc	24720
agcaccccac	aaagaaatga	ccactctagc	cctggctcca	ggctagactt	agggtcacgc	24780
ttgctggctc	agggtcagcc	aggagtgcc	atggcagctg	agagtggagt	tagtgggttag	24840
tcccagcggg	gggtgggggg	ggccttctga	ggctgggggg	acattcacag	ccgtcacagg	24900
tccagccccc	aaggctgggc	tccagagggc	actgccgctt	gtcctgggtg	agaatgaaac	24960
cgagaggaaa	gtgggcagtg	tcttgctgcg	cctatgtccc	agactgccct	ggagatgaca	25020
agtgtggtca	gtgcaaaaac	aaaggggaag	acaaagctgc	cactcttcag	gaatgaatgg	25080
gaaagagggg	ttggcaccaa	gaaggtggcc	agcactgaga	ggccagggag	tgacctgggc	25140
tcagcttggc	acctgctgtc	tggggagggc	tggctgggca	ctgagggaag	agtcattgtg	25200
ggaggaggtg	taagaagagc	cccaccctag	aggcagctca	gaaccaacag	gaagagccaa	25260
gtaagccagg	tggctaaggg	aaggcaggcg	ccggacgttg	caaagaccag	agagtatgaa	25320
ggggccgttc	ggtgatgagc	aggtgggcgc	caggcacagg	gtcccttgcc	tgtgaatgga	25380
gatgggatcc	tcaggagtgt	ggcggtaggg	cagtaccagg	aaaggctcgc	tgtagctgtg	25440
gggaggggga	cgcccagagt	gcaaggggca	gcatgaaggg	tcacctgtag	aaggaacgca	25500
ggcaggggtg	aagcaccggg	cacagagcag	ggctcaggga	gcccagagg	acagaagggc	25560
aggggagacg	gaggcaggca	gggtcagggt	gctggtggca	gcgactgtcc	aggtgagcac	25620
cccagaagcc	tcacttcaca	ggctggcccc	gagctcatgc	tgggcacctc	catgcctcct	25680
gcaggggtgg	tatagcgggg	gggccttcag	gtgtgcctag	ggctggcccc	gtgtggcttg	25740
tggaaggtcc	agcagggcgg	aagcagcggt	gctggcatag	gaaggggtgg	gcattggcac	25800
gtggggggcag	atggctggcc	ggtgtgcggt	ctagtgcctg	ctgccgctgg	agtcggggcg	25860
aggctggctc	gtggcgaggt	atttggctct	catgctggag	gtgtactaga	ggagagaggg	25920
aaggagggag	cagggtcagg	tgagttccta	ggtgggggct	gagcagccag	cagcctcttt	25980
gatgtggtcc	ttggtagggt	gagccacagc	cgacccttgg	ggagagcatg	gttggcggaa	26040
tcctaaggta	agaggccact	ggcccagggc	tggaccaagg	gctgagtaca	ggttagggaa	26100
gtgatggtac	ctagagtaca	aaggtcagcc	tctgtagctg	aggctggatc	acccaggcaa	26160
gttcccttcc	cagtgaagga	caccagctcc	ccttctgtcg	ctaaatcact	ttcagagtcc	26220
cagtcagatc	tttgccacct	ccagtaattc	agctcaaagg	ctctgaatgc	atcacacacg	26280
ctgagcacag	gaaggccaca	tggaccccat	ctctatacct	ctgcctcaga	gctgtgctgg	26340
ggtcagggca	agggctccca	gggcaggccc	acaggaagct	aggccacaga	ccacaactgc	26400
tgagtcacct	ggagcctcct	cccctgccat	tcgactccat	cacccccagg	aaatgggggc	26460
ccttcaggct	agagtgactc	tggcccagcc	ccttggtggg	aaaactaact	aaaggatgtg	26520
tgactcggga	tagaggtgac	tgccccatcc	tgcaggtggc	ctatacacct	tggccgcctt	26580
aacaacagca	ccacaggctc	caagggtttg	gcagtgtgtc	cacgtgcacg	catatgcaca	26640
agcacaagtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtctggctg	26700
tctgcctgct	tgctgctgct	cctgcagagg	aacatgcctc	caatcatgtg	ccaaggccag	26760
gtagttagtg	tgcaagagtt	tgcattgctg	aggcagggac	aaaggtcacc	agcactcaga	26820
ajaccaggca	ggtggatccc	cactcaccct	accccaggga	gcacaggctg	gctccatagt	26880
tcccogatga	gagacaatgc	ttctctccag	ggtcctgagt	gctttctctga	gacattctag	26940
gttaagggtg	caagcggcct	atgaggcggc	catggtgcag	aggtgggaag	agcaggggccc	27000
cagagccatg	tcattccatg	gacatgcaga	ggtgataagg	aacagggggg	tgggatggga	27060
caactgggtg	gatgggacg					27079

<210> 56

<211> 1192

<212> DNA

<213> Mus musculus

<400> 56

```

ctggcactgg gatagatatt acgtgcggcc gccggccacc atgctccagc ggtgcggccg 60
gcgcctgctg ctggcgcctg tgggcgcgct gttggcttgt ctctggtgc tcacggccga 120
cccgccaccg actccgatgc ccgctgagcg cggacggcgc gcgctgcgta gcttggcggg 180
ctcctctgga ggagctccgg cttcagggtc cagggcggct gtggatcccg gagtccctac 240
ccgcgaggtg catagcctct ccgagtaact cagtctactc acccgcgcgc gcagagacgc 300
ggatccaccg cccggggctg cttctcgcca gggcgacggc catccgcgtc ccccgccga 360
agttctgtcc cctcgcgacg tcttcacgc cgtcaagacc accagaaagt ttcaccgcgc 420
gcggctcgat ctgctgttcg agacctggat ctgcgcgccac aaggagatga cgttcattct 480
cactgatggg gaggacgaag ctctggccaa gctcacaggc aatgtggtgc tcaccaactg 540
ctcctcggcc cacagccgcc aagctctgtc ctgcaagatg gctgtggagt atgaccgatt 600
cattgagtct gggaagaagt gttctgcca cgtggatgat gacaactacg tcaacctccg 660
ggcgtgctg cggctcctgg ccagctatcc ccacacccaa gacgtgtaca toggcaagcc 720
cagcctggac agggccatcc agggcacaga acggatcagc gagcaciaag tgagacctgt 780
ccacttttgg tttgccaccg gaggagctgg cttctgcata agccgagggc tggccctaaa 840
gatgggcccc tgggccagtg gaggacactt catgagcacg gcagagcgca tccggctccc 900
cgatgactgc accattggct acattgtaga ggctctgctg ggtgtacccc tcatccggag 960
cggcctcttc cactcccacc tagagaacct gcagcaggtg cccaccaccg agcttcatga 1020
gcaggtgacc ctgagctatg gcatgtttga gaacaagcgg aacgcagtgc acatcaaggg 1080
accattctct gtggaagctg acccatccag gttccgctct gtccattgcc acctgtaccc 1140
agacacaccc tgggtgtctc gctccgccat cttctagcag tctgtggtga aa 1192

```

<210> 57

<211> 1137

<212> DNA

<213> Mus musculus

<400> 57

```

atgctccagc ggtgcggccg gcgcctgctg ctggcgcctg tgggcgcgct gttggcttgt 60
ctcctggtgc tcacggccga cccgccaccg actccgatgc ccgctgagcg cggacggcgc 120
gcgctgcgta gcttggcggg ctcctctgga ggagctccgg cttcagggtc cagggcggct 180
gtggatcccg gagtccctac ccgcgaggtg catagcctct ccgagtaact cagtctactc 240
acccgcgcgc gcagagacgc ggatccaccg cccggggctg cttctcgcca gggcgacggc 300
catccgcgtc ccccgccga agttctgtcc cctcgcgacg tcttcacgc cgtcaagacc 360
accagaaagt ttcaccgcgc gcggctcgat ctgctgttcg agacctggat ctgcgcgccac 420
aaggagatga cgttcattct cactgatggg gaggacgaag ctctggccaa gctcacaggc 480
aatgtggtgc tcaccaactg ctcctcggcc cacagccgcc aagctctgtc ctgcaagatg 540
gctgtggagt atgaccgatt cattgagtct gggaagaagt gttctgcca cgtggatgat 600
gacaactacg tcaacctccg ggcgtgctg cggctcctgg ccagctatcc ccacacccaa 660
gacgtgtaca toggcaagcc cagcctggac agggccatcc agggcacaga acggatcagc 720
gagcaciaag tgagacctgt ccacttttgg tttgccaccg gaggagctgg cttctgcata 780
agccgagggc tggccctaaa gatgggcccc tgggccagtg gaggacactt catgagcacg 840
gcagagcgca tccggctccc cgatgactgc accattggct acattgtaga ggctctgctg 900
ggtgtacccc tcatccggag cggcctcttc cactcccacc tagagaacct gcagcaggtg 960
cccaccaccg agcttcatga gcaggtgacc ctgagctatg gcatgtttga gaacaagcgg 1020
aacgcagtgc acatcaaggg accattctct gtggaagctg acccatccag gttccgctct 1080
gtccattgcc acctgtaccc agacacaccc tgggtgtctc gctccgccat cttctag 1137

```

<210> 58

<211> 29322

<212> DNA

<213> Homo sapiens

<400> 58

ggtggaggct	ggagtggggg	gcgagctga	gaccagaaag	aaacagctag	gacccacac	60
gaggctggag	acacagccag	gacaggggac	tctccaccca	gagagacgcc	ataggccagg	120
ttgttgggga	caggcctgga	ctgggtcccca	ggccccaccc	tgctgaggca	ggccagccag	180
ctgcccaccc	cttggcctgg	gcagtgtccag	cttttgcctca	gtttcccagc	ctggcagggc	240
tttccgaggg	gttgcaggga	gaagcaggcc	tggccaaaag	accgccatgc	ctgaagggtc	300
accttcaccc	cctggcacca	ccaaagaccc	cgcccagggg	aagtcttgga	gcctcagcgc	360
ctcagaactt	tgggacttcc	tggcatatgg	gaggcacccg	gaggtgtgag	cctgaggggt	420
tcactttcaa	gggtggctgg	agacacctgc	tgctggccat	gtgggcctgg	gaggccttct	480
ggggcctcca	tcttcccatc	tgtgaaatgg	gacttggacc	tagatgctct	tcaaggtccc	540
ttcttccaa	tcttctggca	agagccaagt	ccaggaagct	cagctccatt	gcgtcggcat	600
ctggactgag	tactctgtgg	gtgccgggct	gtgctgaggg	ctggacggga	cccaggaaca	660
gacaacaggt	agagtggagg	agggagcagc	gaggagactt	cccacagggg	tggagacgct	720
gagcactcca	ggcagacaca	gaggggcggc	tggagtgtgg	ggatcctggg	cctggcaggg	780
cctggggggg	tgggcaggca	gagtgggcca	gggggtggcc	tgaggacgcc	aggggcagag	840
ccagccctcc	caactgggca	gtggggagcc	aagggagggg	ggcagagccg	agcccatct	900
ctaagatatg	gggacagccc	tcagagccag	ctcccaccca	gctccagctc	aggacaagca	960
gtgggcatgg	aactgagatg	caggaaaggcc	gaggtctgga	gacgcacgtg	ggctccccga	1020
ggtgacctag	gggtggggcg	ccctcagccc	tgcccggaga	tccttggtcc	tactgagtca	1080
gccaccgggg	agaagataag	ggaccgccag	gctcttaagg	ggcctgacgt	tgctgttggg	1140
tgaagtgcct	gccagaaatg	acctcagagg	ctgccggggc	cacctggcat	atcaccttgc	1200
ccgtctccgc	agcttctctt	ggcagtgggt	ggatgtataa	tgtccggccg	ctgccagagg	1260
gttcacggca	ccacagccct	gctgagccct	gctgagcccc	agctgggtcc	gacctcctgg	1320
gtaccccagg	gacggggagg	ccaggcacgg	gggttgcctg	gcggttgga	cagtgggtgat	1380
ggtggacaga	gccactccca	agagtgttag	agacctgggg	tgggggcctc	caggcagacc	1440
accttcaccc	cacctgttgg	gacccagacc	agctcacttc	cctctctggg	ctcagcttcc	1500
tcatttgcaa	aatgaggcca	agagtcacac	ccggcccggc	ctgtgacccc	ggagccccct	1560
ccagcctcct	gcctcactct	ggcaccaggc	ctccctgcag	cttgacagag	aagcggggta	1620
ccgtctcccc	gaggtgcagc	ctgggggggt	gtggcaggtg	atgggagcag	ctgtatttga	1680
gggcagggtc	tgtcggggag	ccccccagcg	tggggagagg	aggagggacc	agggagtgtg	1740
acctggcagc	ccgcagcagt	tcgggtctgt	gcttctgtca	atacggccct	cctgttttgg	1800
agattaaacc	ccggtctagg	aaacagcttt	ccaggcgggc	cctccctcca	cccagcccc	1860
agccttgtct	tcaggtccca	aggctgggac	caoctggagg	ctgtgggggt	ggtgggggat	1920
ggaggggacc	aagctttggc	atccctggcc	tcaccaaggc	ctggaccaca	gcctgagcag	1980
cccagccctt	gcccctggcg	cagcctcctc	ccagccccc	gcccgtgggt	cccccggaac	2040
ccccccgtgc	gacccctcca	acccagggca	gcctcactgt	cctggagccc	cgcccaactgc	2100
atcctctgcc	cttgtgtgac	ctcctgcaag	aaggcgggag	caagccgttc	ccgggacctca	2160
tggccagaca	caagccacac	ttgtgaggac	cccagggag	gcaggagagc	cacggcaaga	2220
gccccaccaa	ggcacgggca	ggggaggggc	cgccatctct	tggatgggtt	ctggcgcgtg	2280
gccactgaca	ttgagggtgg	atcattcttg	gttgtggggc	tgttctgtgc	atgggggggt	2340
gtggggcagc	ctctctgggc	cctataggcc	agacccctact	gtctgttcag	ccccagcccg	2400
gtggcgacaa	atgaaaagtgt	ctccaaacat	tcactgtcag	gtgtccccag	aaacccaagac	2460
gagcactgga	taaccccggt	tgggcaagtc	cctagccagat	ggcgtgcaca	gaaaacgggt	2520
gcagagagag	gacgggtgct	ccaatgcttg	gaacttccct	tgaagccagc	ctcagccccag	2580
cctctgcgcg	cctgagagag	actctgcccc	acctccccc	acccgctccc	accatccctt	2640
cctgcacagg	tcccacccct	gagcaacacg	gccttgcttc	ctctctgcaa	atccttccca	2700
gactaagctg	caacactggc	agagccctcc	aaggaaaggga	ggagggagga	cagaggccaa	2760
ggcggctcct	ggcacccctc	gcagcttctt	cctcccttgg	ccacaaggac	ccaaaagctca	2820
gagggatgga	tgaacagaca	ggaaggctca	ggctggacac	gtattgtatg	aggtgggctt	2880
cagggttgct	tttccctcca	gaatgcacac	cagagccgtc	cctcttgcct	gtgaacctgg	2940
agccccctat	gtctccccc	gtacccctgc	attctacacc	tagatcctca	ggcttctctt	3000

tatctccagc	ctcacctcca	tgaatgcccc	acacacctgt	gcctgaccac	acaacctcca	3060
cctccacctg	ctccacacc	cctgccccac	ttccacctcc	acctgcttca	cacacctctg	3120
cctgactgca	caacctccac	ctccacctgc	ccaagccttc	aagccccagg	gcaaattgtca	3180
ccatcttttc	ctggaagact	ttccagaagt	ccccctgcctc	ccagccccag	cccacagtgg	3240
gttctccctc	gtctgggccc	tgggcacctt	tgggctggac	ccatttttct	aacctctgtt	3300
gaatcctcac	ctactacctt	cccccagtgc	caagcagatc	tgggcatgga	gcaaattgctc	3360
aggaaggctg	tgggatgagc	acatgaaatg	gatggaagga	tggacggaca	gatggacaga	3420
tggatggatg	gatggatgga	tggatgagtg	gagcccaaca	ccagctctca	ggctctacgg	3480
aggtggcctc	tctcagcagg	tgtgatcgcc	attcctgggg	acctaacctc	cccttcttct	3540
gcttccagag	cagcctggaa	tatcctttga	tgtgttatcg	tcttccctga	tcttttcaag	3600
ggggaaagat	ggcccatggt	agcgatgggg	agcctgggat	cagggaggta	cacaagccca	3660
ggatcacata	gcaagcaggg	ctccctgggg	gccaaactg	acctctgtc	cctccacctg	3720
gcctggagcc	cctcctccca	ctgctctgta	tcccatccca	ctgacatggg	caagggggtca	3780
tgactagggg	gggggggtcat	gcctggggcc	tgacaggcaa	cacgtggcc	acagcccacc	3840
ccctgcctgc	tgtggctgcc	acacaagcca	gcattcttg	gcaagacaaa	ggcgggtgg	3900
ggcaggggtg	ctctgggtgcc	tccctgggtg	gtgtctggac	tctgcaggac	gtcagtaagt	3960
ggatcctggt	ggctgcgctc	tgatgctggg	ggctgcaaat	cagattagcc	ccatccagcc	4020
ccatggccca	gctggcctca	gacagaagcg	ccagaaagag	gcgcagctgc	cagcccaggc	4080
ctgcctcct	cctgggtgtg	acaagccctg	gcctccaggc	tgaggccct	tgtgttct	4140
gctgtgggct	taagggtgtg	ccacctcttc	ttcttgggcc	cctggacctg	tctgtaagac	4200
caacagttag	agtgaagccc	cctgaggcct	tctggagggtg	gtgtttggaa	atgccccag	4260
ggcagggcag	gcacatagtg	cctaggcact	gggaattcac	cttcagcaca	gccctcccc	4320
aggccccagg	ccctgtgcgg	gctcagaggc	cagcggcagc	cctgccaggt	cttctcacc	4380
tgagacctat	gctccccagg	gctgggcatt	tgggagacag	agtcagagag	gcgcctttga	4440
gccctctgtg	tatctgcaca	tccacctatc	catccttcca	tccaacctct	accaaccaat	4500
gttcatcaag	cacctgatac	acacaggcac	tgtcttaggc	cctggggcac	agccaagaat	4560
cacatcacgg	tctgtctgtc	aagcagctga	catccagcac	cctcccagcc	acctgcagtc	4620
ctctgtgtgt	atgtgtctgt	ccatctatcc	attagaccat	ctgttggtcc	atctgtccat	4680
tcacctgtcc	atccatccat	ccatccatcc	acctatccat	ctgtccatcc	atccatccat	4740
ctatccatcc	atccattcat	ccatccatct	gtccatccat	tcattctgtct	atccatccat	4800
ccattcatcc	atgcattccat	ccatccgtta	gtctgtctgt	cctttcacct	atccttccag	4860
ccatccatac	atccatctat	ccatctgtcc	attcacctgt	ccatccatcc	atccattcat	4920
ccatccatgc	atccatctgt	ccattcatcc	atgcattccat	ccatccattc	atctgtcggg	4980
ctgtctgtcc	atccatccat	ccatccatcc	atccatccat	tcattctgtct	atccatccat	5040
ccattcatcc	atgcattccat	ccatccattc	gtctgtctgt	ccattcacct	atccttccat	5100
ccatccatgt	atctatccat	tcattcatct	atccatctgt	ccatccatcc	atccgtccgt	5160
ccatccatct	gtccattcat	ctgtctatcc	atccatccat	ccatctgtcc	atccgtccat	5220
ccatccatcc	atctgtctgt	ctgtctgtcc	atccatctgc	ccctccatct	aactgttcat	5280
ccatccacct	ttccatccat	ccatctatcc	atccatccat	ccatccgtcc	ctccatctgt	5340
ccatctgtct	atccattcat	tcattcatcc	aaccatccat	ccatctgtcc	atctatctgt	5400
ccatctgtcc	atccatctgt	atgtccattc	ccccaccat	cagttcaacc	agtgtttact	5460
gagcacctac	tttgtgcag	gcctgacaa	gcagcaagag	gcagcctctt	ccccaggga	5520
cacagacgta	aaggagcagc	tacaacctca	tgtgatcagc	accaggatgg	gggtagcaga	5580
gggggatggg	gaggacgttc	taggaggggt	agcccttggg	gggcccgtga	gggtgctcca	5640
ggccaggatg	ccccccgaag	ccttgctcag	ccactgaggc	caagtgggt	gaactctaat	5700
gggcctggcc	tctctgtcca	tgcctgaccc	cagagtgcag	gcaaaaaggc	caggccactg	5760
ttggaaaggc	cgtggcttca	cggctgcaga	gcaccaaccc	caaggcagcc	tgggtgggcag	5820
ggcgggtgag	gcaccagcca	tatccctatt	acagagtcaa	gtaacgtccc	aagaccacaa	5880
gaagggcact	ggcccaagac	cacacagtgg	gcgaggggtc	tgggcatagc	aggcaggcag	5940
ggttgggaaat	ggtgggggtg	ctactcacag	ctggagctctg	ctagtctcag	ggcagtgccc	6000
actccagctg	cagtaatggg	aatcagctgt	gccacctgc	ggtatccctc	ccccggcctt	6060
gggagccggc	tgtgctgagc	ccagccaacc	ttccatccac	cctccttct	gccaccaagg	6120

gctgctcaca	gaagctcctg	ggtcgggaca	ctcactagge	cacgcctgcc	ttttggaaat	6180
ccatggggccc	cctgggcatct	ggggggttca	aacactgcc	gttctgatgc	ctggccccag	6240
cctgggggtt	ggcattcctg	cgtctgtgtc	aggagaggac	agggaggtgc	aggcttgccc	6300
gagccacagc	caccaccatg	ctgagtcctg	tccaggaggt	tccatctctg	ggcaactgcta	6360
ctggcccaga	ggaagctggt	tcccaagaca	ctgagtgagg	ccgctctcca	tcagccgatg	6420
agtggacagg	cgctcggat	ggcttcctgc	cgagttaatg	ggtcacccat	tatgtctcca	6480
cagatcttcc	caggaccctg	caggaaggca	ggccagagca	gccccaaagg	acagcccggg	6540
ggaggggaagg	cagatggcca	cctcaaagcc	agccccgagc	ccttccccctc	taggcctgag	6600
tgtcaagggc	agaccagacc	catgggtttg	gggacctggt	ggcaactgact	ccagcaggag	6660
accccccggg	ctgagccctg	gcagttagag	gaggcctgga	ctcagatggg	gacagaacac	6720
tgtctcagcc	tgatggcggc	tagaggagga	gggtaggggc	cctgggtcatg	tgggtcctgg	6780
ctcgtggggc	ctgctttcca	cctgaacctca	gcaggcaggt	ctctcggggc	attcgcacac	6840
ccagctgcct	gggagcccca	aactgggact	ggtggagggg	ccctgcagag	gggaagacta	6900
ggatccaaga	agcccatgaa	gccatjcgcc	agggccagag	ctggcctgcc	tgggtctggat	6960
ggtatgtcat	ccttgtgtta	caagtjagga	aactgaggct	caggagagtaa	caccaccggt	7020
tcaaggtctt	aaagccgaga	agtggccctt	ctgggttcgg	aaggcaggct	gggccctggg	7080
gcagcctcta	tccccagccc	ctcttcccca	ggaccctacg	gccccaaagag	gcttcactgg	7140
caactcggtc	agccctctct	agccccctcc	ccagctcccc	tttgtectgt	ccagggtcta	7200
gcaccatccc	acagcccact	tccctaccag	ggctgtgtgg	cccagtgggc	ccctagaggg	7260
agacctgggg	tctggatggg	gagggaagtg	tttcaggctg	aagctgagcc	tggggaagcg	7320
ggcgggggtg	gctaggcggg	ccacccccctc	aacagttttc	agacctcaag	aagtcaccac	7380
gaaattccat	tctcctgaca	gcaaagaaat	tgattcactc	ttgccaaagc	ctgcggcccc	7440
cacaagaatg	ctgtaaagct	tcttcccgtt	gcttcacagc	aggcagcagc	atcaggtccc	7500
ccactcctcc	cattcctggc	tacagagaga	cgcggaacc	ccccctaccc	agttctatgc	7560
atgtgcccct	gccaggctgg	gccatccacc	tctgtatggt	cactcccttg	gtacaatatc	7620
ccccttgctt	tctctacaat	gggcacattg	ctcccacgac	ctgctgggtc	aaaggcaccg	7680
cagtcagggg	tagctgggga	gcaggagtgt	cgggggtggg	gcggctcagg	gcagggaagcc	7740
ccatcccctg	gcttggaac	tgtggggaga	cggactcaca	gcattctgtc	aggtgggggtg	7800
cagggtggca	tggcacccac	catcggtgcc	actgatgtaa	agtcacaggta	cagagcacaa	7860
cccgtgcaca	tatttggggg	cctggccatg	cctggctgca	ggggattgag	gagggattgg	7920
gcctcaagaa	acggggctgg	gactaagtea	cgagggtcgt	gaatatcagg	cgggacttta	7980
actcagccag	tggagagcta	tggagggttt	tgtcttttgt	gtgggtgtgt	gagtggctat	8040
gactcctagt	gtccagctgc	tgcgtggaga	ataagtaaa	caggtaggat	aggagtgggt	8100
gggatggggg	tggaggctgc	ccaagtgatt	cagggaagag	atgatgggga	tggatgaggg	8160
tccgtctctg	aaacaattca	gatatgggag	agcctgaagt	cagcgggtgtg	actgaagcac	8220
gtgggggtcat	ggacacccct	cagtcgggag	gctggggctg	ggctgggaact	cagctgactt	8280
tgtgggggca	gccaaaccag	tcactgggtc	cttttctccc	cggctcacc	tcaagcctct	8340
ccagctgcct	ggaggctcca	gggctaggct	ctggctgate	ggaaggggtt	tatggcagga	8400
ggtgacggca	tgggagactt	gtcacttggg	cacagccagc	accatctgtt	ggggcatctg	8460
ctttcggagg	tggtagctgc	taattacctg	gggpcaggaa	gaggcctggg	aacccccatc	8520
ccccacacca	cccagcgggt	acaggggcta	gggggtgggg	ccctgggggc	ctaagagcaa	8580
atgggctaca	gcgtcccttag	cggggggaga	gggtctgaca	gtggggccag	acatttatcc	8640
agtgaatttt	ttcagagcac	ctactatgtc	ccaaaacctg	ttccagggtt	gaatgacacc	8700
aggtcgtctg	tgtcttgogg	ctgacattca	ggtagaggta	aggagagggg	ctccaagggc	8760
acttaaagaa	tttaaaatgc	catctcaggc	gtgaacataa	ctccgagggg	ggcagtttag	8820
ccacgggtgg	ggcgggtggg	gtcgtgggtg	tggcagagac	cctgcttagg	agggcacggg	8880
aagacagcgc	agccacgggg	agagccgctt	ccgtccacgc	ttccggagga	cgtggcgggg	8940
agggggctca	cacctgtctc	aggcgacctt	tggccacttc	cgggccccctc	gccccctacc	9000
ctcggctgcc	ggcgcgcat	cctgcgcgcc	ccgtctgtgc	gagggggggg	cccgggcccg	9060
tgggaagggc	cggggatggg	ggccgtgtgc	cggggaaggc	gggtggggag	ggcgccagac	9120
tgggcgcgat	ctggccccag	cgcaggaga	ccaaatggga	cagaaggcgg	cctttctatc	9180
ggcgagggaa	gtggcgccct	tgtttctccc	tgcacatggg	ggcctgagg	atttcgggga	9240

gccaaaccctc	ccgacggagg	gccaggatcg	aggaaatcag	ccagggagga	aggagtggaa	9300
tttggttctg	gtgctttctc	gttagaacct	cgtgtcccca	cctgcggcac	aggtggccaa	9360
gctcttgctc	tgtacaaata	acggctcccc	tgaaccgagc	gctcgggaag	accagggcgc	9420
caccccgatt	tgcaaggcct	gccgcgtccc	aaggggagga	agccgtgctc	aggaggggaa	9480
gcgcacagcg	aggaagtagg	atgtcccccg	cgggtgcgtc	gagcccagag	cccgggtctc	9540
agcacccctg	ccgtctgcgc	gagggcgcgc	ccctcccgtg	ccgggacgcc	cgggtgcatcc	9600
ccggacggcg	ctggccaggc	tgggtttcct	cttcagggac	accggcgcg	gcccggcccc	9660
tccccaagcc	cctcggcggc	ccgcaggggc	taccgggggc	gggggggggtg	cggggcgctgc	9720
acgtgcgcgc	cgggggcggg	gccgctgcgc	cctctgggca	gttcccagcc	cccagccgcg	9780
gccccacgtg	ggtctgcggg	cgtggagcgg	cgaaccggcg	gagggcccgc	ccccgajccc	9840
gggagccaat	gagcgcacgg	gggcgggacc	ggggcgggga	ggtttaagag	cjcgggacac	9900
tgggtgctcg	ctgctggact	gcgcgcgcgg	agcgacgggc	ttcgggtcgg	tgcaaggcag	9960
gcgcacgggg	aagggcgcgc	cgcgcggccg	ccaccccacc	atgctcaagc	gctgcggccg	10020
gcgcctgctg	ctggcgctgg	cgggcgcgct	gctgcgctgc	ctgctggtgc	tcaccgccga	10080
cccgcgcgcg	cctccactgc	ccgcgagcgg	cggcgcgcg	gcgctgcgca	gcctggcggg	10140
cccgcggggg	gctgccccgg	cgcccgggct	ggggcgggcg	gcggcgggcg	ccggggcgct	10200
ggtccgcgac	gtgcacagtc	tgtccgagta	cttcagcctg	ctcaccgcgc	cgcgcagaga	10260
tgcgggcccc	ccgcccgggg	ctgccccccg	ccccgcgcag	ggccaccgcg	gccccctggc	10320
cagaccgctc	gcgccccgag	acgtcttcat	cgtgtcaag	accaccaaaa	agttccaccg	10380
cgcgcgcctc	gacctgctgc	tggagacctg	gatctcgcgc	cacaaggaga	tggtagagccc	10440
cccgcggcct	ggactggcgg	gcgagcgggg	cggggaacca	ccatctggtc	cagctgggtg	10500
cagtgtccca	tgggagtcag	gctgcacccc	caccagccca	ctagggccat	ctgtgggcga	10560
cgcagtgca	ccccgggtga	cccagtttgc	ctgttggggc	cactctcccc	ttacagttgt	10620
gttactgtcc	ccggggcccc	gcctcctgtc	cagctccaga	gtcctggatg	gctgcaggac	10680
cctacaccag	tctccagtgc	ttggggtttg	tgcctgtga	tacttctcac	cccgtaaaaca	10740
ttggagcgca	ttcatagggc	attatgtcct	caaacttcca	caagcaaatt	ctgttcggac	10800
ccaccctcag	ctcagacccc	ttcctgggga	gaaaggctct	tccttttagag	aagtgagggg	10860
ttctgaacct	tgggcccttt	cctcatcaca	gtgttaagg	acggggaggg	agggaggtca	10920
ttgctggttg	gtgggtcctg	gggagtacat	ctcaaagaac	tccaggtttt	ggggtctgtg	10980
tggggacctt	ccccgcacag	tgcagtagtc	tctgaggcct	gcaaccttgg	gcacagccca	11040
cttcagttgg	gcacagcctt	cttacacaca	cataattaag	acacacccca	ctttgaacat	11100
ttccctcgag	gccacagcag	gacggttggg	ctggggcggg	atggggacag	tgtgtggggc	11160
ttgcagtcgg	ggactggggg	ggtgtctctg	ggctgggaga	tgcagaggca	tttgctgtga	11220
gggtgggggc	tcagggaaga	ccctgcaagc	cttccctcct	gctcaaaccc	cggagaccca	11280
gggccttctg	acctggcgct	gtcctgtttt	ggggcactgt	gggtgggttg	gagcagggct	11340
tggtagagtc	atgagggcga	cggggagggg	cagggtcctc	cctgggtcctg	gogtggggaa	11400
ggggccctgg	gaaccccatg	gcagcctcct	gggaacacag	cgtcccattc	ccaggggctc	11460
agcgggctgg	cgggaggggg	cggcgggggc	cgtgggtttt	gtttgggggc	cgggccttta	11520
ggattcccag	cgcggggcgg	ctctcaagcc	ggcccttggg	gcaaggtaac	aaagccccc	11580
tctccagcga	gaaaggcgtc	gggccccttg	tgtgcagcta	cgcgctccgt	gggaaccgct	11640
gctggcgctg	tggccactca	ggttgccctg	cgatgagggg	accagcgggc	ccccccagca	11700
tctcttactg	acagtccctt	tggggcacc	tccctgagcc	tggccccccc	acccccagca	11760
ctcaagcctt	actgctatgt	gatcttgggc	atccttcagc	cccactctgg	gctaccacca	11820
gctctgagca	cctctcatct	tggaaatttg	ggcctttctc	caacagaggg	gatgtgggtca	11880
gagggctggg	ctgtgtgata	ctgagcaaga	cctggggcct	ctcagaccct	cactctgata	11940
tctgaaatgg	gggaacatgg	tcccttcagg	agcaggttgt	aagagactgg	caagccctgc	12000
aggcatgggg	tgaacccggc	gggcactcag	ggttcgaggtg	ggggccatca	ctcccttgag	12060
ccctgaggtc	cctaactggag	ggtcacccca	ccaggggaca	ggttgaatct	gccttcagca	12120
tcagttcacc	agcacacagc	aagcaaaagc	cccttctgtg	tgggtgatgg	gcaggggtcc	12180
tggaaaacca	cagaagaggg	ccccctcttc	ccagccctgc	acgggaatgac	tcagacatgg	12240
tctgatgggg	gagatagaaa	gatgtcaggg	ctgtgcgggg	ggaaaacccc	gagaggctgt	12300
gtgaggcaac	agtgggcata	tgacccacat	gctgggggaa	gggagggagg	agggagagct	12360

tccctggagga	ggcgccattt	gagctagact	aagagtaaaa	aagtgccccag	aaagggcact	12420
ccatccgggc	atggtgatga	ccacagcatg	ggggttgtgc	aggaaaacttc	tagcaactgg	12480
agtgggtggct	ggggggaggg	tcggttgggtc	agcagggggcc	gcgctgagat	gggcctggag	12540
tccaggatga	agagcctggc	ctttggccca	gaggttcccc	gcccctccca	ggagcagcca	12600
ggctgcgcgc	ctgccaccac	agcggccaca	attgctgggg	agaacttggc	atcctgtgtt	12660
tctttgaatc	gcggctccag	gaacaatgct	gcttccctgtg	ggtgtccccc	ggccccgcgc	12720
ccgctccacc	ctcatccacc	cggctcttcc	tccctgcagcc	ccgtcttcgt	ctggaaagtt	12780
aggtggcact	gggggggtctg	ggtccctaga	aggcagggac	tgggctgggtc	tagcaccgcc	12840
tccgccccag	ggtatgacct	caggctgggtg	cctgcacctc	tctgggcctc	agtttcccca	12900
cttgggcctc	agctggtaat	ggcaccaccc	tccgagggct	gtcagggaga	ggaagggaga	12960
gaatctgtct	ttgcactttg	ttctctgccc	aggggagctc	tgttatgccc	attttactga	13020
agacgagact	gaggtctctga	gcggcaggtg	agggctatag	cccagcagcg	cctttttcct	13080
ccccctctgg	tggctcaggt	gtcgggagac	agttcgcccg	gcacccccgc	accccatagc	13140
cccgccctct	cagatgctgt	tctagaggcc	tccctgctcc	ctgagctgaa	caaaggtgac	13200
tttaattctcc	gtagccttgg	gctgggtttt	tagggcacca	ccaaatctcg	ggagaacagg	13260
cctcccttga	tctcattaag	aaagcatttt	cctttttaacc	cagcggcgca	gtggagcgtc	13320
tgcaggggct	ggccctccgc	ctcccacggc	attcctgggc	tgagattctg	gggaggccaa	13380
ggggctgggt	gcgagtctgt	gcgtgtgggt	gccctgggggt	gtctatgggt	gctgcaggag	13440
gggtgcatgc	atggagaggg	ggagaccacg	cctgccaccc	ccttagctct	gggcctcacc	13500
ctagtgaaca	tgtgccccagg	gctgggtcag	gctggataag	gatctgagac	taccaaggtg	13560
ttccagggcc	tctgcgggac	ctgtgtgtac	agggaaaggaa	actgaggctg	ggtgggcctc	13620
aggggggttgt	cccttgggtca	gagcattgcc	cgtacacctc	gggttttgca	ctcagccatg	13680
ccaggggtgcg	ccgggcggga	cgcgctgggc	gggcccggga	gaggaaggaa	cattcctccc	13740
cgtgtgccgg	caggcccagg	cgggcgcgcg	cgactcctgg	ccccgccttg	gcggccccct	13800
cctcttccgc	agagcgctcc	tggcaggggg	cggccgcgtg	ctggcacagg	tgggctgtgg	13860
ccttggggcaa	gcctgggttt	ccttgcctga	gcagtggggag	gggtgctggg	ctgcatgggt	13920
actggggggcc	cctgacctgg	gggctgggga	cacctgaggt	ttcctgcccac	aacctgtctg	13980
accgttggca	actttgcaga	acttcagggc	tgctttgggt	cagagtgggt	agcttgtcct	14040
gcaggtcacc	caggacaggg	gtgctggccc	aaagggcagc	tgtgggggtg	ctgcagtget	14100
ggtggctgca	ccctacgcgc	gggacctcat	gccagacctg	gcccggttaa	ccaggccagc	14160
tgtatggtaa	tgggcggcgc	ggccactctg	cttaactcgg	ccgagttaag	gccggcccgg	14220
cgcacctctc	ccgcacagcc	aggacaaaag	tggcggacaa	tgcctggtga	ttcatcctcc	14280
ctccaggccc	tttgtccgc	agggcttggc	agccgcccag	cgaaggcctt	tgtccccaac	14340
cccaggtgat	tgagacttgg	cttcccacag	ccgacctcct	ccgcctgtcc	ctcccgcacc	14400
cccgcctgtc	ccccgccttt	ccagcagcct	ccaagtggca	ggctgggtgc	tgtgtcaata	14460
aggggtgtgtg	ccctggccagg	tgcacggggc	gggtcgggaa	ccggttacct	ggcggggggg	14520
cgaggcgcac	caacctggctc	gtacctcacc	ggcctgggac	gaccttgggt	gcagctgtcg	14580
aggttggggga	gtgaggcccc	catcccccac	ccccagggcg	agtjaatgcg	tgagctctgg	14640
cccagatggc	actgagatgg	ggcacttgag	cccttctcag	cacgagtggg	gaaaccaagg	14700
cccgagagaag	ggtgggtgtc	agtgtgacgc	agctgcagct	gcagcaactc	cagggggcgc	14760
cgtccggccc	ccacagatgg	ccctgggggtg	gggatgaagg	gctgcctgtc	gaaggccgat	14820
ttctccttcc	cagacgttca	tcttcaactga	cggggaagat	gagccctggg	ccaggccacc	14880
gggtgagccc	tggacttggg	gcgggagggg	gcccaggcct	ccatccagag	ccgaacgcct	14940
ccccctcagt	ctccctgcgc	ctctggggcg	agaggtcacc	aaggggcagg	caggggaggc	15000
agtttactca	tgggttttgc	tccatgcccc	gccccaccac	tggggccccc	caattctccat	15060
gcaaatgaag	cccatccagc	cccccggggtc	cccttgagcc	caggccagcgg	caacagggtg	15120
cgggtgtctgg	gaaaaagctg	cctgaatggg	cggggggggg	gcccgcctgg	aaggggctgg	15180
gctgcgggag	ggtccacagg	cccaagcccc	gagctagggt	gggggaggct	acggccgcgc	15240
ggcccagctc	gaactagggg	gcttttctcg	agccctgggg	ccctgtggcg	tccccaggcc	15300
caggccctcc	tctgggagcc	ggctcagacc	tactcagacc	cgtccctctg	tccacaggca	15360
acgtgggtcat	cacaaaactgc	tccgcgcgcc	acagccgcga	ggcgtgtctc	tgcaagatgg	15420
ccgtggagta	tjacccgttc	atcgagtcgg	gcagggaagtg	agtgtggccc	cgggggaccc	15480

ccatctccct	gcccagagcct	ggcagcgccc	gccccggcat	gccctccccc	gatggccctg	15540
ccttgtectc	aggtggttct	gccacgtgga	cgatgacaac	tacgtcaacc	tgccggccct	15600
gctgcggctg	ctggccagct	acccgcacac	gcgggacgtc	tacgtcggga	agcccagcct	15660
ggacaggccc	atccaggcca	tggagcgggt	cagcgagaaac	aaggtggtga	gtgcctgccc	15720
ctcccagtec	cccacgcccc	cgcgagcgcc	acacccggag	tgggggtggg	acagtgaggg	15780
gcagcagcgc	ctgggtctca	ggacaccttc	tcccttctcc	cagcgtccctg	tccacttctg	15840
gtttgccacg	ggcggcgctg	gcttctgcat	cagccgtggg	ctggctctga	agatgagccc	15900
gtggggccagg	tgagtgcctt	gcacaggtta	ggccagcccc	gtcccaggct	cctcgccact	15960
gtggggcctg	gcttagttca	tcttcccagc	catgggggtg	ccccagcctc	ctgtgtggca	16020
ctgcccactt	acttctata	ttccacttcc	ctctgggttt	cagagggcag	ctgtgtttac	16080
ggcggctgcc	cccaagcctg	acctgctcag	agcagccagg	ggggcgatga	gcaccccagg	16140
caccatccgg	caggactctt	ccctgcaccc	agattccctc	cacagagagc	cacggagcac	16200
aggagctgtg	cagggagtgt	gcccgtgctg	tggccagggg	aggcagaggg	agctgcagcc	16260
cagagctctc	ctcagggctc	ctctccctga	ggagtgcagc	gcctttgctt	ggtggggcct	16320
cccagctccc	cagcagatgg	ctcccgccct	tgctcactgg	tctgggcccc	tccctccccc	16380
agcgggggtc	acttcatgaa	tacggctgag	cggatccggc	tgctgatga	ctgcaccatc	16440
ggctacatcg	tggaggccct	gctgggtgtg	cccctcatcc	gcagcggcct	cttccactcc	16500
cacctggaga	acctgcagca	ggtgccccac	tcagagctcc	acgagcaggt	gcaccatcct	16560
ccggggcccc	ccaggactcc	gagagcacag	gaagggacgt	gtggctgcgc	agagggggcg	16620
agtgggggtg	ggcactgttc	taaacaggga	ggccaggcag	cactccactg	tcagccaggg	16680
ggggtcactc	ctgccatgag	ctcaaagctg	tttatggcgg	gttgttttcc	tgccgtctct	16740
tctcttcact	gtgatgcgcc	tactgtgcgt	attttgtcca	cgttggaat	gcagccagcc	16800
ccagctggtc	ccagttttgg	gaccttattc	ctgggggtgtg	cagggcaggt	gtccttccag	16860
gtccaaggga	ggccagggca	gggcccgttc	ctcactcagg	gctgtgtggc	cagcctgggg	16920
cggggcccag	ggatgtcggg	ccctcccccg	catcactccg	cccgtccccc	acaggtgacg	16980
ctgagctacg	gtatgtttga	aaacaagcgg	aacgccgtcc	acgtgaaggg	gcccctctcg	17040
gtggaggccg	acccatccag	gtaaggaaac	cccggcccag	atgggcttgc	gtaggggtgg	17100
ctaggggcgt	cagggggcct	cgtggagctg	cagcaggggtc	tctctaagcg	gcctgactct	17160
acatagaggt	gtcccccgga	gtcctgcttg	ctcgggggtg	ggccgccagt	gttgtgggac	17220
tgcaaattgg	agctcagcac	ctgcctgcca	cccacgcaga	ccagccccctg	ctctgttccc	17280
acaggttccg	ctccatccac	tgcacacctg	acccggacac	acccgtggtg	ccccgcactg	17340
ccatcttcta	gtggccatgg	ctgagaccca	atccctgggc	gcccctggta	tccaaaagggc	17400
ccagggaccc	tggtgcgctg	ccctggccctc	ggcattccag	gtcccccctag	ggccgtgcct	17460
gtgcgtgtgc	gtgtgcgtgt	gogtgtgtgt	gtgtgtgtac	tgcctgcccc	ccccgggtagc	17520
aggtgtgtgg	gcagttctgc	tctgtggagg	ggcggggccc	agcgccactt	atgtgcctct	17580
gtcccgaggg	ccagtgggct	gcaggggcctg	cttgaggga	ggatttgtgt	gtccggaggcc	17640
actccagggg	caattctgtt	aggatttttg	gatctttcta	cagctacggg	gtcccggggt	17700
actttgcagg	gatgcgatgc	gtaggtgctt	ttctcttccc	gctgaccaca	agctctgtgc	17760
tgggggtacc	tgtgccttga	agtccctggc	cctgtgtcat	agcccccagt	acgactcact	17820
gagccatgct	cattgcaggg	gaggctgggt	ctgggggtgc	gtgacccaat	cccccttccc	17880
ctggcctgga	cgtgtggtgt	taagagttaa	agcagccacc	gcccagttcc	agtggcccca	17940
cgaagccccc	agtgggtggc	tgtccagctg	ggcaaacagt	ggcaccctcc	ccagctcttc	18000
tgagtgggga	gtcttccagg	ccctcccgag	ggtcttccct	ttgcctcccc	aggacagggg	18060
gagtccagag	tcagcattta	atctccctcc	caaagttaga	agcaagtccg	ccacagtggg	18120
cgtgtctgta	aatattgtga	cagcattttt	ttactgtgct	gttttttttg	aaaggggatg	18180
ggtaaaaaag	aggggtgtct	tgttttttgc	ttgggagggt	gggggtgggg	gaggggtctta	18240
tcttatctta	tctttctgtg	ggatccagaaa	aaacagaaag	caaaactcggg	gtcatctttg	18300
tctttaaaag	tgaagtggga	ctgtctggca	ctctgtgtat	ctatgcttcc	cagcatctgg	18360
aacctcccat	ccctgcccct	ctctgtgtga	gctgcacact	ccccgtgggg	cccagcatgg	18420
ctcacctgtc	ccgtgggtgt	tgtttctgtg	tgtttttctc	tttgcaaaag	catagctagg	18480
aaagcgaatg	ataagggaag	agttctcagg	gaattgaagt	gttgttgcta	tgggtgacgc	18540
cttttgcctg	gaataaagg	gtcttttgcg	gcaatccctg	gggtctggtg	cttggctgga	18600

ggtggggcct	aagccccagg	gcagccaggg	tcaggagagg	cacacagggt	aaggggaggg	18660
ttggccttgg	gtgcacccga	tggagcaggt	agataggaaa	cgcttagaga	caactatatt	18720
ggaacgaaac	ctggcgtcac	tatagctgcc	tgctgggtgac	tacagggtgcg	gcccacccag	18780
ggtcaggggtg	gtcgtctggag	cgtgagccct	gtgcttccag	gaggaacagg	tctaggatgc	18840
tgggggctct	aggtcccagc	caaaagcaca	accccaggc	tctggccttg	tctggcact	18900
ggggagccca	gcccctgcag	gagggacagt	gactcctgtg	accgggcctg	gggcctcctt	18960
atccaacttc	actcctgcca	cgagctcaca	gagtccacat	catcgccctca	ctttgcaggt	19020
ggggaaaactg	aggcacggag	cagctgatgc	ccaaggtcca	gcagccatgc	tgggtgggctg	19080
gggaggcgct	cagactccaa	gccaggcagg	ccgtgggtcc	ggccgccccca	cagctggtaa	19140
tgctgcacct	ccctctcctg	tgatgtggcc	ccaggccccc	accccgtca	gggggtgggg	19200
gaagagtcc	ggagagcagg	agcagtgccg	gagcccccac	tgcagctggt	cccagcccct	19260
gcagagatcc	agacgcttgt	tttttaaata	cagcagctct	gcggtgcttt	tccttctca	19320
aatccagcct	ttgagggtga	ctgagtaggg	gacgggtgct	gcagcctctg	cggggattcc	19380
ctccccctac	cctcctggca	gccccggggc	ggctcacttc	ctcttcacca	tgagccccc	19440
ccccttccct	ggggcttaca	cccttggcct	ggcactgcc	tggcgcgcgc	ccttgcaagt	19500
tcctgctctg	gcttgacct	gcttcccccg	accccagggc	tccagggtccc	cctcctgggtg	19560
cctctgcacc	ccccactctg	ctccaaggag	acgacacact	gtgaaaagtg	cctctctatg	19620
gggggggtgcc	ttgccctccc	ccgtcgtgct	cccctccaga	agagtgcctga	cgtgctgaat	19680
gggcctgcag	agacccccct	actctaagcc	tggctggggg	ctaccctggc	cttggggggcg	19740
gctggcaggg	ctgtgaacccc	accttggcct	tggacggtcc	tgagtacgca	gagcagctgc	19800
ctgggggggtg	tggacagtga	tggggatggc	gggaggatgg	agggccctca	ccgtcacgtg	19860
gcctgaacccc	cgtctgggtg	gctgtggtcc	tccttgagca	cccaccatgt	gcccacccac	19920
ttctcatagg	acggcatagg	ccctctctct	gaacgaggaa	gctgagactc	tgggggtgggg	19980
cgggggggggt	cgtgacggaa	caggctgcgg	gcagaggctg	ctggcctcct	tcctgcccgg	20040
ctgactcaga	ggcttggggc	cttctgcct	ggccccgacg	ctgtccccgc	ctgcagctgg	20100
catcgccctcc	ccacagagct	ggtggggccc	cgggggcaga	ggtgtggctg	gacccagggg	20160
tcggacagac	ccatggatac	agctgtgggg	gccctgccag	ggcttgggga	gtccccatta	20220
atgttcatat	gtccctgtgt	gtggagcggg	gtgggagtgg	gggctaagtg	ggcctcgggg	20280
agagcagagg	agcaagaagt	gggggtggga	ggaagcccg	ctcctcccga	ggcctcgacc	20340
tctccatctg	acaaatggga	acaaaggtaa	atgcagtccc	cgggtgctgg	aggtcagggg	20400
gtgttttgga	aggtgcacag	gacagcgcct	ctggccccct	cctcttccaa	gctgagggag	20460
ggacgtttct	ctgccctcaa	aaggggaagc	aggcccagca	gtgtcttagg	ggaatgaggc	20520
agcctgacct	cttccatcca	ccgccccccc	accccccaga	aggtgactca	cccggcaggg	20580
gaggtgaagt	cattcctccc	ccaggtaacat	tctggggaca	gctgtgtccc	acccacccagt	20640
ggtgccatca	catcagatta	gaggtctggt	cagaaagggg	cctggctggt	ccctggggct	20700
ccatgtcccc	ccagtctagc	ccagccaggc	cccttttccc	aaactctctga	tcattaatgg	20760
ggcttttcaaa	acaagtataa	ctgcaaccac	aggggtctga	gggcgtctcag	cyaggggtggc	20820
agacctcagc	cgcaccccct	gcttccgttc	tgcaggcga	gtgcctgggg	agccccaagg	20880
ctgcttgggg	tctgggaggg	gctgtctagg	tggggcgct	ccccactcag	ttgaaaggaa	20940
cttcccttcc	actggggcca	tcaggggcca	cttccctggaa	gaggtgcctc	tgagctgaag	21000
caggaaaggct	ttgtcaagat	ggagttagga	gagaaggggc	cttccagggtc	tcagcacagc	21060
ctgggcaaaag	gtgcagagggt	gggatccact	gggaggactg	gaagcctggg	aaggaggcca	21120
ggcaatgcag	ttgggtctct	tgatcccccc	tccccaatca	cagacaaacta	gggctctcca	21180
caggctcaga	ggggccaggg	ccaggctgct	atgtgaactc	agccattcctt	gcgggggtggg	21240
cctgggggtca	gagggaaaagc	agggaaccagg	gacagatcca	tcttcagagtc	tgtcagaaca	21300
atgggcaagt	cctgttccct	gctgggtcca	tgtgcccaca	cagcctcagc	cttcttagat	21360
attctgcagg	gtgaccccct	gcttctgagc	ccagccccac	cttctgagcc	cagaatttga	21420
cacacaggaa	ggcccttggg	gacaggcgtg	gtggctcaca	gpcgggctgt	gcctctgtcc	21480
tggagccgca	gootggatgc	ctcccacccc	acatttaggc	ttcaggcccc	acagctgcct	21540
cttcccagaa	ccttcccggc	acgpaacttgc	gcgactctta	caagtaacctg	ttcagcgtca	21600
gccttcgccc	aggagtgcag	gctggggagc	agggcagtg	ccacctctgc	cggctcctgt	21660
agcaactagt	gcaatgtcca	gcccacccgtg	ggpaactcaac	gcaggcggtct	gtgctgcgcg	21720

aggtcacagc	accaatcaga	cacccccatc	cccacacaca	ccttgccaccg	gcccacgcgg	21780
ccatcacact	cggagcacac	gcgctccgat	gtggctgcac	tggtggcaca	cgcacaggcg	21840
cgcacgtggg	cgcatacacg	ccggggcgcc	ctgacctccc	cgcacgccct	cccgcagccg	21900
ccccggcctc	tgtccccacg	cgtgtcacac	acggctgggt	gtgctcgctc	acgcgcctcc	21960
gcgacgttgc	tccagccggc	gcccggagct	cgatcgggag	agctgctggt	ggccgcctct	22020
gcctgccagc	gtttgccaa	cggtttccat	ggtgacacat	cttggctccg	acaggaacca	22080
aggagtgtgg	ggaagagggg	ccccacggag	ggggcgaggc	gaggcaggag	gtctctgcgt	22140
cttcaggctc	ccggcaggga	tggggggctc	cacgagtga	gacaccccc	aatcccaagc	22200
caggcttgca	ccccgagaag	gaggctctgg	gctgggtccct	ctgggctgcc	tggcacaggg	22260
gctgacttag	gtcagtcagt	cattcaacaa	actttctgga	agagccactc	tgtgctcaca	22320
gccgggtcta	cgatgctgcc	caagacgtgg	tctcgcaaga	ggctcggagt	cgaatcctga	22380
ggctaaactg	acgtcccggc	accctactga	aggccccatc	tagcagggtg	gtccgtgggt	22440
gcgtaagcac	caaggcccac	cgagcacttt	ctcaaagggg	ggctccccctc	tgtggtagat	22500
cagttacaaa	cgtgtccccg	atgccccact	cctccccctga	atcaccacgc	cctttgtctg	22560
gtgactttgc	cccaactcct	gtctagagg	ggcgtctact	tccccatcct	tcaatctgag	22620
cctgtcttat	gacttgctgt	ggccaataaa	aggtgacagc	aatgacattc	ccagttctga	22680
gcttaagcct	ccagggacat	gcgtgcctct	gcctgctctc	cccgaactcct	gctatagcac	22740
gagaacgggc	tgggctgctt	tgctggaagg	caagagggcc	atggagcctg	ggtcacccca	22800
gctgaggcca	tcttggaacta	gctagctccc	agctgcccac	agatgtgtga	gtgagccacg	22860
ctaggacttg	ccaggcctag	caatgagcag	cagtaccacc	aggcccttta	atactaagga	22920
catgtgaagt	catgtgtttg	gagctatttg	ttactcagca	ctagctacct	gataccctcc	22980
tctctagggc	cctggccagc	agctgcccac	cctcagttag	cacaggccag	aggctctaaa	23040
agttcccagg	ggtgctaaga	accaggccat	ggtgacagct	ggattccgct	ggctaacagt	23100
gccagagggg	gccggggaca	gagcttgtgg	gaggggggtc	ccatgtcaag	tccatggcag	23160
gagctactga	agcagaagca	cgagtctcca	ctgcctttct	ttgcctcggt	ttttccccct	23220
gtgaaatggg	cccatcacc	tgtcctgtct	cctggggacc	cctggtaagg	tagcgtgtgt	23280
ggcagctgga	aacagacct	ctacgtgcca	gccccgggtt	gcaacctagg	gagagaggcc	23340
cattgctgcc	ttctaggttc	ccacaactga	gaaggcagcg	tcactaatcc	cagcttacag	23400
actggaacaa	gtggggagag	gatgagtggc	ttgcccagag	cccaggacac	acaggagcag	23460
gtgggcatgg	ccacaagccc	cggctgggtc	tgagctgggt	gttatcttca	tgtttttctc	23520
cctgtggtea	ccttttttga	aatttttttt	tttttttttt	tttttttttt	acattttgact	23580
attttcttgt	ttatttggtat	ttcttttgga	gatttttttt	tttttttttt	ttttgagatg	23640
gagtttcggt	cttttttttt	ttattttttt	tttttttatt	gatcattctt	gggtgtttct	23700
cgcagagggg	gattttggcag	ggtcacagga	caatagtggg	gggaaggtea	gcagataaaa	23760
aagtgaacaa	aggtctctgg	ttttccctagg	cagaggtccc	tgccggccttc	cgagtggttt	23820
gtgtccctgg	gtacttgaga	ttaggggagt	gtgatgactc	ctaacgagca	tgtgtccctc	23880
aagcatctgt	ttaacaaaagc	acatcttgca	cgcctcttaa	tccatttaac	cctgagtggg	23940
cacagcacat	gtttcagaga	gcacgggggt	ggggataagg	tgacagatca	acaggatccc	24000
aaggcagaag	aattttttctt	agtacagaac	aaaatgaaaa	gtctcccatg	tctactttca	24060
tccacacaga	cccggaacc	atccgatttc	tcaatttttt	ccccaccctt	cccgcccttc	24120
tattccacaa	aacggccatt	gtcatcatgg	cccatcccca	atgagccgct	gggcacacct	24180
ccagagcggg	gtcgtgggog	ggcagagggg	ctcctcaact	ccagtagggg	ggggccgggc	24240
agaagcacc	ctcacctccc	ggacgggggg	gctggccggg	cagaggggct	cctcacctcc	24300
cagtaggggg	ggccggggag	aggcgccctc	ccctcccgjg	atgggggggg	tggccaggcg	24360
gggggctgat	ccccccacct	ccctcccgga	cggggggggt	ggctggggcg	ggggctgacc	24420
ccccccacctc	cctcccgga	tggggggctg	gggggggggg	gggtgacccc	ccccccctcc	24480
ctcccggaag	ggggggctgg	ccgggagag	gggtccctca	cctccagta	ggggggggcg	24540
ggcagagggg	ccccctcaact	ccgggagggg	ggggctgggc	gggggggggg	ctgacccccc	24600
ccacctccct	ccgggagggg	ggggctggcg	gggggagagc	ctcctcaact	ccagagcggg	24660
gcagctggcg	gggggagggg	ctcctcaact	ctcagagggg	gggttgcca	ggcagagggg	24720
ttcctcaact	ctcagagggg	ggggccgggc	agagacgctc	ctcacctccc	agacaggggt	24780
ggggccagcg	agaggcgctc	ctcacatccc	agacagggcg	ggggggcaga	ggcgctcccc	24840

acatctcaga	cgatgggchg	cggggaagag	gcgctcctcg	cttcctagat	gggatggchg	24900
ccgggaagag	gcgctcctca	cttcctagat	gggatggchg	ccgggcagag	acgctcctca	24960
ctttccagac	tgggcagcca	ggcagagagg	ctcctcatat	cccagacgat	ggggggccag	25020
gcagagacgc	tcttcacttc	ccacacgggg	tggcggtctg	gcagaggctg	caatcttggc	25080
actttggggg	gccaaaggcg	gcagctggga	ggtggagggt	gtagcgagcc	gagatcacgc	25140
cgctgcactc	cagcctgggg	accattgagc	actgagtga	cgagactccg	tctgcaatcc	25200
cagcacctcg	ggaggccgag	gctggcggtat	cactcgcggt	taggagctgg	agaccagccc	25260
ggccaacaca	gcaaaacccc	gtctccacca	aaaaaaaaaa	cgaaaaccag	tcaggcggtg	25320
cggcgcgchg	ctgcaatcac	aggcactcgg	caggctgagg	caggagaatc	aggcagggag	25380
gttgcagtga	gccgagatgg	cagcagtacc	gtccagcttt	ggcttggcat	cagagggaga	25440
ccgtggaagg	agaccgtgga	gagagagggg	gacggagagg	gagagggaga	gggggagggg	25500
gagggggagg	gggagggaga	gggagagggg	gagggagagg	gagaggctgt	gtgtcagagg	25560
ttttcctcgg	agtttcgttc	ttgttgccca	ggctggagtg	caatggcaca	gtcttggcta	25620
attgcaacct	ctcccccttt	tggaaatatt	gtacttcctg	agctaactgc	acttacgagg	25680
taatgattgg	tgtgagtttc	tagtctctgt	ttgtttgttt	tttgagacag	agtctcattc	25740
tgtcaccacg	gctggagtg	agtggcaca	tcttggtcca	ctgcaacctc	tgctccccgg	25800
gttcaagcga	ttctcctacc	tcagcctcct	gagtagctgg	gatgacaggc	acctgccacc	25860
atgcccgagt	aattttttgta	tttttagtag	acaaggctct	accatgttgg	ccaggctggt	25920
cctgaactcc	tgacctcaag	tgatccaccc	gcctcggcct	ctcaaaatgc	tgggattaca	25980
ggcgtgagcc	actgcgcccc	ggctcgcctc	tttttttttt	tttttgagac	agagtctcac	26040
tctgttgccc	aggatagagt	gcagtgggtg	gattttggct	cactgcaacc	tttgccctccc	26100
ggattcaagt	gattctcctg	cctcagcctc	ctgagtagct	gtgattacag	gtgccacca	26160
ccatgcctag	ctaatttttg	tatttttagt	ggacggggtc	tcaccgtggt	agccaggctg	26220
gtcttgaact	cctgagctcg	agagatccgc	ccacctcggc	ctcccaaagt	gctgagatta	26280
caggcgtgag	ccaccacgct	gggccctgca	gtctcttttc	actgggtaet	gcggttcagt	26340
gttactgcct	aggggcagct	gatccgcaga	gcccctccct	ctctgagttc	ccccaggcca	26400
gagctgagag	ccaggctctc	cagatccctg	tgggagggcc	ttgtatctga	gtccagtttt	26460
cctccagcac	gaggcctggc	atttaattac	ctgctatctt	gtcagctggt	cagtgttcc	26520
ggcctttgga	tatttcaccc	agcgtgtttc	attgtcttca	gggaaacggc	tgggtccaggc	26580
acctagcctg	ctgtcacccg	gaagggacat	gtgccccgag	gcggggctga	tgtcactgct	26640
gcaccctggt	gggggcgcacc	agcccacggc	tgtgccaccc	gggagggtgc	cttttgttgg	26700
agggcatttg	ccaaaaccag	caaacttggt	ttctcattct	gtggccttga	ggggtcaggg	26760
ggacagaagt	caggggccagt	cctgcccaca	atggggagca	ttatagaaaa	cccttcccac	26820
cttaagctga	aaacctaaag	gtctacactc	ttagggtaag	aatgaaacgg	aattagccct	26880
gctccctcca	cacgaaagac	acttgggtgt	aagagaagca	aaaagaaaaa	gttcttcaga	26940
agttagggct	acaggtcttc	tctagcacag	atttgaggtg	ctagcacaga	tttgaggtgc	27000
tgccaagaat	gcagagaact	ccaagcactc	aatgcgttgt	ttgttttgac	ataggggtct	27060
tctctgtcac	ccaggctgga	gtgcgggtgt	gtgatcaagg	ctcactgcag	cctcgaaact	27120
ctgggctcaa	gcaatcctcc	cacctcagcc	tcccaagtag	ctgggaactc	aggtgcatac	27180
caccatgccc	agctaattaa	aaacaaaaga	gatacggcag	gtggatcac	tgaggtttag	27240
agtttgagac	cagcctggcc	aaactggtga	gattctgtct	ctactaaaaa	tacaaaaact	27300
agccaggcat	gatggtgggc	gcctgtaate	ccagctaact	gggaggctga	ggcagaattg	27360
cttjaaccca	ggaggcgagg	gttgacgtga	gcagagatca	caccactgca	ctccagccctg	27420
ggcaacaaga	ctgagactcc	atctctgaac	aaaaaaaaat	gtgtagagat	ggggtcttgc	27480
tatgtttgtc	aggctattct	caaactcctg	gccttaaaac	atcctcctac	ctcgggctcc	27540
ogaagtgttg	gaattacagg	cgtgagccac	tgggcccagc	ccccaggga	aatttttaac	27600
aaaataaatt	ggcggggchg	agtggctcac	gcctgtaate	acagpaactt	gggaggctga	27660
ggtgggtcaa	tcacctgagg	tcaggagttc	gagacccagc	tggctaacat	ggtgaaactc	27720
cgtttctact	aaaaatacaa	aaaaattagc	caggcatggt	ggcgtgcggc	tgtaatccca	27780
gctactcggg	aggctgaggg	aggagaatca	cttgaaccca	ggaggcagag	gttgacgtga	27840
gcccagatcg	tgccattgca	ctccagcttg	ggcaacaaga	gcgaaactcc	atcacaaaaa	27900
acagacagac	agacagatag	ataaaaaata	aacagtgtct	ggaaaactgg	atatccacat	27960

gcgaatgaat	gacactggac	ccttgtctca	gatacattatt	attaaattaa	ctcaaaaagg	28020
gttaaagaaa	gacttcaatg	ccatttatatt	tgagtagaaa	taagtcattt	ctttaataca	28080
tcaaactgtg	ggattttcttg	accttgcttc	tctcctgggc	ctggcttccc	cagaggatcc	28140
accgggctgg	gctggagccc	tggggctggc	agtgtccac	agaaggacat	ggtgctgcct	28200
cccttggtcc	tgagccccag	tggcagactc	tggttctgct	cagtagcagt	cggcctcgtc	28260
cccttgccagg	aagcctcccg	tggccagcat	gtcctgcagg	agggactggg	gactcttttc	28320
cacgtggtcg	ctgctctcgg	ccagcgtgct	ccgcaggccc	tccagggtct	gggacctgag	28380
catggccagc	acagcctcag	gctcctgggc	ccctgggggc	tgggcctgct	cacccgcccg	28440
ccacctcggc	aggggtggcct	ctgaggaggc	agtgttgggg	ctgcccctgg	cctcccgcag	28500
gctgctgtag	gaagcaatct	tgtccctcag	gaagagaagg	aggtcacaa	acttctgcgc	28560
cacagggcgg	tgcagtcac	acaaggcaca	aaaggcgagg	tcaaagagcc	ccacgtggca	28620
gagagccctc	agtgcctcgg	tgagtggctg	ggctgggggc	acctggggta	gggccacggc	28680
ataggggcag	tgggtacggc	gcggccccc	agtctggccc	aggaacacga	gggccagctc	28740
caggccctgg	gcgcggacct	cccagtcacg	gtctcggctc	gccgcctgca	gcacagtggc	28800
cacgaactgc	tccgtgtcct	gggcgcgcgc	ggcgtggcgc	tcccgcagcc	actcagtcaa	28860
gacttgcatg	accgcccgcg	gtgggaagcc	ctccgagctc	acggagagga	tgtgcaggag	28920
ctccaggaa	aggctctggg	ggacaggagg	caagtgcgga	tggttgggtg	ggtggcagg	28980
gcgaggctcc	cgcaacagg	ctccgggtaca	tgatgggggc	tggcccccga	catgcagctc	29040
agggccacag	cccgcctctga	caccttccc	tgtgcgcag	tgagcacacg	gccctccaat	29100
cctcagttta	cccatctgtc	aaatggagg	aaccatgtct	aagtggagg	gtgctgggga	29160
gacagaaggc	gaagcgcaca	ggtccacac	ccagcacagc	cccagggcct	cggcagtcac	29220
tgtgcaggc	gctgccca	gcagcagctg	ctcccacgct	gcctgctggc	cgtcgcacca	29280
cccgaagca	aacgagcaca	cacgatggcc	aggcgggagt	tg		29322

<210> 59
 <211> 1140
 <212> DNA
 <213> Homo sapiens

<400> 59						
atgctcaagc	gctgcgggcg	gcgcctgctg	ctggcgctgg	cgggcgcgct	gctgcgctgc	60
ctgctgggtg	tcacgcgcga	ccgcgcgcgc	cctccactgc	ccgcgcgagc	cggcgcgggc	120
ggctgcgca	gctggcgggg	cccgcggggg	gctgcgcgcg	cgcccgggct	ggggcgggcg	180
ggggcggggc	cgggcgcgct	ggtccgcgac	gtgcacagtc	tgtccgagta	cttcagcctg	240
ctcaccgcgc	cggcgcagaga	tgcgggcgcg	ccgcgcgggg	ctgcgcgcgc	cccgcgcgac	300
ggccacccgc	gccccctggc	cgagcgcgct	gggcgcgcgag	acgtcttcat	cgctgtcaag	360
accacccaaa	agttccacgc	cgcgcgctc	gacctgctgc	tggagacctg	gatctcggcg	420
cacaaggaga	tgacgttcat	cttcactgac	ggggaagatg	aggccctggc	caggcacacg	480
ggcaacgtgg	tcatacaaaa	ctgctcgggc	gcccacagcc	gcagggcgct	gtcttgcaag	540
atggcctggg	agtatgaacg	cttcacgcag	tccggcaggga	agtgggtctg	ccacgtggac	600
gatgacaaat	acgtcaaacct	ggggcgccctg	ctgcggctgc	tggccagcta	cccgcacacg	660
cgggacgtct	acgtcggcaa	gcccagcctg	gacaggccca	tccaggccat	ggagcggggc	720
agcgagaaca	aggtggctcc	tgtccacttc	tggtttgcca	cgggcggggc	tggcttctgc	780
atcagcctg	ggctggctct	gaagatgagc	cggtggggca	gggggggtca	cttcattaat	840
acggctgagc	ggatccggct	gcttgatgac	tgcacacatg	gtacacatgt	ggaggccctg	900
ctgggtgtgc	ccctcctcgc	cagcggcctc	ctccactccc	acctggagaa	cctgcagcag	960
gtgcccacct	cagagctcca	cgagcagggt	acgttgagct	acgttatgtt	tgaatacaag	1020
cggaacgcgc	tccacgtgaa	ggggcccttc	tgggtggagg	ccgacccatc	caggttcgcg	1080
tccatccact	gccacctgta	ccggacacaa	ccctgggtgc	ccgcactgc	cattctctag	1140

<210> 60
 <211> 1140
 <212> DNA
 <213> Homo sapiens

<400> 60
 atgctcaagc gctgcgggccg gcgcctgctg ctggcgctgg cgggcgcgct gctcgccctgc 60
 ctgctggtgc tcaccgccga cccgcgcgcg cctccactgc ccgccgagcg cggccggcgc 120
 gcgctgcgca gcctggcggg cccgcgcggg gctgccccgg cgcccgggct gggggcgggc 180
 gcggcgggcg ccggggcgct ggtccgcgac gtgcacagtc tgtccgagta cttcagcctg 240
 ctcaccgcgc cgcgcgagaga tgcgggcccc cgcgccgggg ctgccccccg cccgcgcgac 300
 ggccacccgc gccccctggc cgagccgctc gcgccccgag acgtcttcat cgctgtcaag 360
 accacaaaaa agttccaccg cgcgcgcctc gacctgctgc tggagacctg gatctcgcg 420
 cacaaggaga tgacgttcat cttcactgac ggggaagatg aggccctggc caggcacacg 480
 ggcaacgtgg tcatcacaaa ctgctcgggc gccacagcc gccaggcgct gtcttgaag 540
 atggccgtgg agtatgaccg cttcatcgag tccggcagga agtggttctg ccacgtggac 600
 gatgacaact acgtcaacct gcggggccctg ctgcggctgc tggccagcta cccgcacacg 660
 cgggacgtct acgtcggcaa gccagccctg gacaggccca tccaggccat ggagcgggtc 720
 agcgagaaca aggtgcgtcc tgtccacttc tggtttgcca cgggcggcgc tggcttctgc 780
 atcagccgtg ggctggctct gaagatgagc ccgtgggcca gcgggggtca cttcatgaat 840
 acggctgagc ggatccggct gctgatgac tgcaccatcg gctacatcgt ggaggccctg 900
 ctgggtgtgc cctcatccg cagcggcctc ttccactccc acctggagaa cctgcagcag 960
 gtgcccacct cagagctcca cgagcagggt acgctgagct acggtatggt tgaaaacaag 1020
 cggaacgcgc tccacgtgaa ggggcccttc tcggtggagg ccgacccatc caggttccgc 1080
 tccatccact gccacctgta cccggacaca cctggtgtc cccgcactgc catcttctag 1140

<210> 61
 <211> 5
 <212> PRT
 <213> Unknown

<220>
 <223> Cytokine receptor extracellular motif found in
 many species

<221> Misc_Feature
 <222> (3)...(3)
 <223> "Xaa" at position 3 can be any amino acid

<400> 61
 Trp Ser Xaa Trp Ser
 1 5